

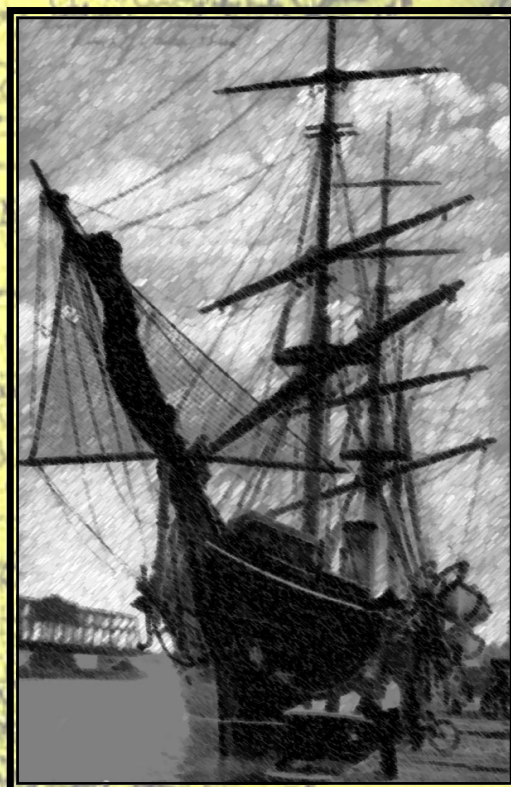
# MARITIME HERITAGE MINNESOTA

## Log Book of the USS Essex October 1, 1877 – March 31, 1878



**Grant Recipient**  
MINNESOTA HISTORICAL  
& CULTURAL GRANTS

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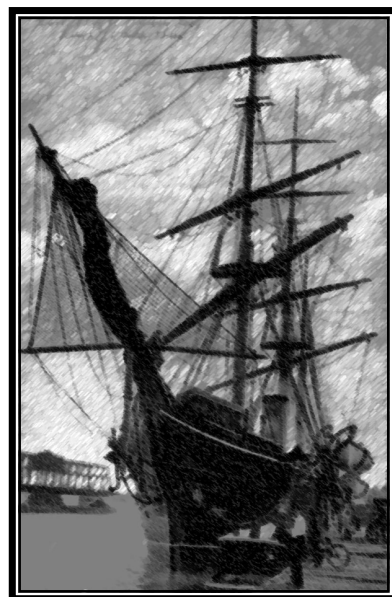


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# MARITIME HERITAGE MINNESOTA



MINNESOTA HISTORICAL  
& CULTURAL GRANTS

## Log Book of the USS *Essex* October 1, 1877 – March 31, 1878

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Ann Merriman, Christopher Olson, Maritime Heritage Minnesota







# LOG BOOK

*Open*  
Oct. 1<sup>st</sup> 1877  
ending  
Mar. 31<sup>st</sup> 1878  
No 63

OF THE

U. S. S. *Steamer* "*Epler*", 3<sup>rd</sup> *Rate*,

RATE

OF *Ship* GUNS,

COMMANDED BY

*Commander Winfield Scott Schley*, U. S. Navy,

Attached \_\_\_\_\_, to Squadron,

Commencing *October 1<sup>st</sup>*, 1877,

at *San, Lat, 24.29 N. Long, 19.10 W.*,

and ending *March 31<sup>st</sup>*, 1878,

at *Montevideo, Uruguay B.A.*

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BUREAU OF NAVIGATION,

NAVY DEPARTMENT,

1875.



# LIST OF OFFICERS

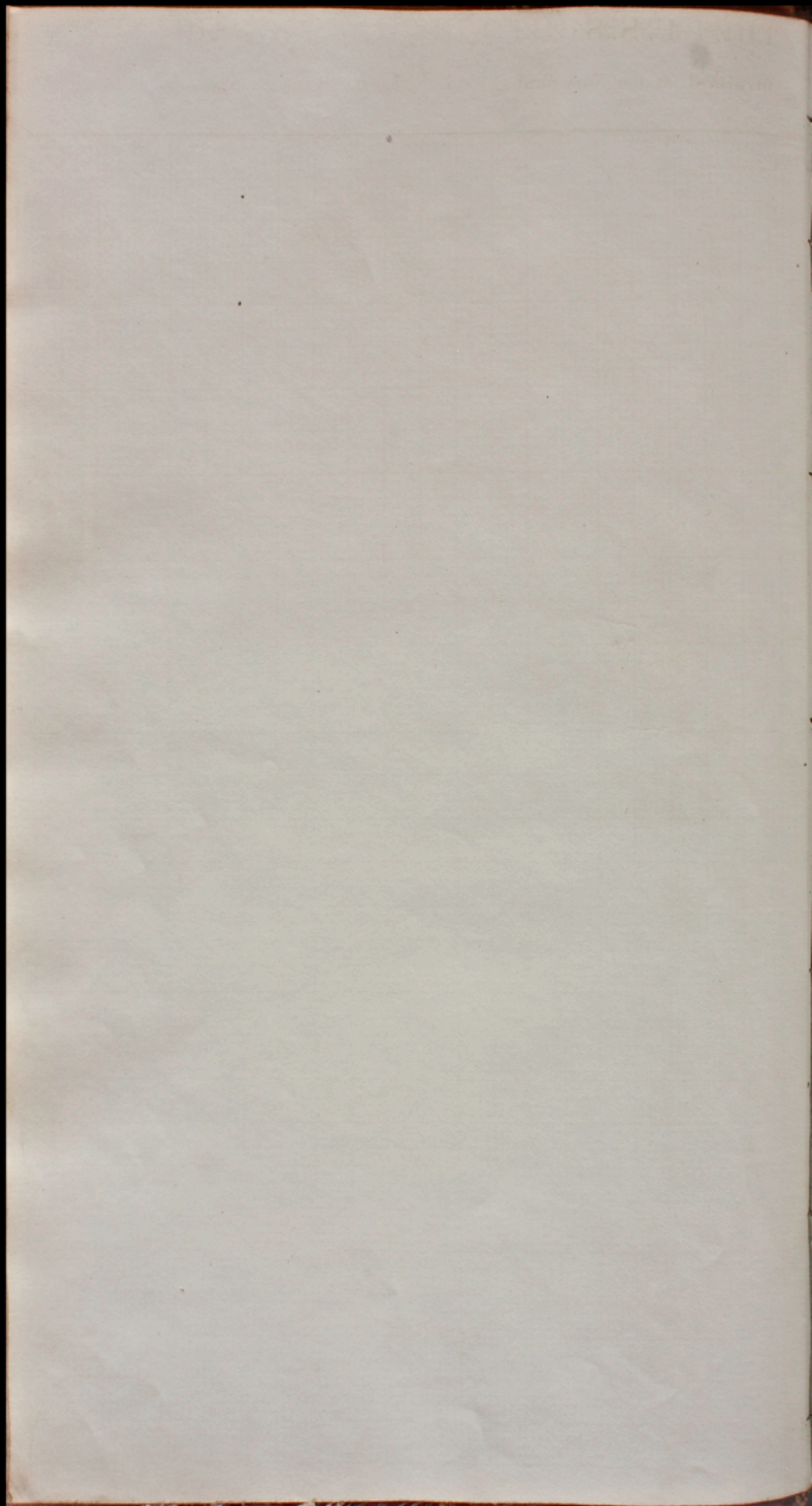
Attached to and on board of the U. S. S. *Thetis*, 3<sup>rd</sup> Rate, , commanded by  
*Commander Winfield Scott Schley*, U. S. N., at the time of leaving the anchorage  
 at the day of , 18 .

NAME.	RANK.	NAME.	RANK.
<i>H. P. Schley</i>	<i>Commander</i>		
<i>Ala. Halpin</i>	<i>Lieutenant</i>		
<i>John W. Eggenell</i>	"		
<i>Clinton W. Curtis</i>	"		
<i>Samuel C. Lundy</i>	<i>Ensign</i>		
<i>Charles B. T. Moore</i>	"		
<i>John Delonch</i>	<i>First Com<sup>d</sup></i>		
<i>F. A. Francis</i>	<i>Chief Engineer</i>		
<i>H. T. Sturcliff</i>	<i>Paymaster</i>		
<i>A. H. Moore</i>	<i>Surgeon</i>		
<i>George B. Parsons</i>	<i>Act Engineer</i>		
<i>C. L. Dunnette</i>	"		
<i>W. E. Allen</i>	<i>Midskipman</i>		
<i>T. D. Griffin</i>	"		
<i>B. H. Henderson</i>	"		
<i>W. P. Hammon</i>	"		
<i>Frank A. Dean</i>	<i>Boatswain</i>		
<i>H. H. Richardson</i>	<i>Carpenter</i>		
<i>J. Petty</i>	<i>Pay Clerk</i>		











# ARMAMENT

Of the U. S. S. *Steam 'Eury', 3<sup>rd</sup> Rate,*

NO. OF GUNS.	CALIBER.	DESCRIPTION.	WEIGHT.
1	9 in	Dahlgren Pattern	9195 lb
1	9 in	" "	9155 "
1	9 in	" "	9165 "
1	9 in	" "	9205 "
1	11 in	" "	16900 "
1	Rifle 60 Pdr	" "	5450 "

## BOATS.

One Launch  
One Cutter  
One Gig  
One Whale Boat  
One Dingy

## SMALL ARMS.

65 Remington Rifle  
50 " Pistols  
15 Colt Revolver  
1 Gatling Gun



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	5	6	P.W. 4th	H.E.	3	30.10	77	78	74	77	bc	Cum	9	9	All plain sail
2	5	4	"	"	3	30.08	77	77	74	77	"	"	9	"	except F.T. W. S.S.
3	5	0	"	"	3	30.07	77	77	74	77	"	"	3	"	Spanker & gaff topsail.
4	5	2	"	"	3	30.07	77	77	74	77	"	"	3	"	"
5	5	4	"	"	3	30.08	77	77	74	77	"	"	5	"	"
6	5	4	"	"	3	30.10	77	78	75	77	"	"	7	"	"
7	5	4	"	"	3	30.10	77	78	75	77	"	"	7	"	"
8	5	4	"	"	3	30.11	77	79	76	77	"	"	5	"	"
9	5	0	"	"	3	30.12	78	81	77	77	"	"	8	"	"
10	4	6	"	H.E. 4th	2	30.13	79	81	79	77	"	"	4	"	"
11	4	6	"	"	2	30.12	79	82	79	77	"	"	3	"	"
Noon.	5	2	"	"	3	30.10	79	83	80	77	"	"	4	"	"

Distance run by Log since preceding Noon

125 knots 0 fathoms.

Latitude by D. R. at Noon

24° 32' 00" N.

Longitude by D. R. at Noon

19° 00' 00" W.

Latitude by Observations at Noon

24° 29' 00" N.

Longitude by Chronometer from Forenoon Observations

19° 10' 00" W.

Current during the time knots 3 fms. per hour, setting to the

W. 24° S.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

18° 30' 00" W.

Water expended during the preceding 24 hours

230 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2080 "

Coal consumed during the preceding 24 hours

tons 1250 lbs.

Coal remaining on hand at Noon

69 " 845 "

P. M.															
1	4	4	P.W. 4th	H.E. 4th	3	30.11	79	81	78	78	bc	Cum	6	9	Same as above.
2	4	0	"	"	2	30.11	79	80	78	78	"	"	8	"	"
3	4	0	"	"	3	30.10	79	82	79	78	"	"	9	"	"
4	4	4	"	"	3	30.10	79	82	80	78	"	"	9	"	"
5	5	2	"	"	3	30.04	79	81	78	78	"	"	6	"	"
6	5	2	"	"	3	30.04	78	80	78	78	"	"	6	"	"
7	5	4	"	"	3	30.06	78	79	77	78	"	"	7	"	"
8	6	0	"	"	3.4	30.08	79	79	77	78	"	"	7	"	"
9	6	4	"	H.E. 4th	4	30.08	79	79	77	78	"	"	6	"	"
10	6	4	"	"	3.4	30.08	79	79	77	78	"	"	8	"	"
11	5	4	"	"	3	30.07	78	79	76	78	"	"	8	"	"
Mid.	4	6	"	"	3	30.05	78	79	76	79	"	"	8	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at sunset

Variation of the Compass by

at



Commander Winfield Scott Pelee  
Monday October 1<sup>st</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant first part, cloudy latter part of watch. Moderate breeze from N.E. At 12 kt lee clew of mainail. Moon rose at 12. Bright moonlight. Sea smooth.

(Signed) James K. Cogswell

From 4 to 8 A.M. Clear and pleasant. Moderate breeze from N.E. Barometer rising. Ship under all plain sail.

(Signed) Clinton K. Curtis

From 8 to Midnight, Clear. Warm. Light N.E. breeze. Cumulus clouds. At 9.15 repaired at General Quarters. Time as follows: Euginum Div, 1<sup>st</sup> 15<sup>3</sup>; Main Guard 15.25; Navigation Div, 2<sup>nd</sup>; Powder Div, 3<sup>rd</sup>; Surgeon Div, 4<sup>th</sup> 15<sup>3</sup>; 2<sup>nd</sup> Div, 5<sup>th</sup> 10<sup>3</sup>; 1<sup>st</sup> Div, 6<sup>th</sup> 30<sup>3</sup>; Turret. Euginum Div, 1<sup>st</sup>; Navigation Div, 2<sup>nd</sup> 30<sup>3</sup>; Powder Div, 4<sup>th</sup> 30<sup>3</sup>; Surgeon Div, 4<sup>th</sup> 40<sup>3</sup>; 2<sup>nd</sup> Div, 7<sup>th</sup> 15<sup>3</sup>; 1<sup>st</sup> Div, 8<sup>th</sup> 15<sup>3</sup>. By order of Surgeon, Officer, James Hackett (2 G. F.) Nicholas Lynch (2 G. F.) and Herman Meyer (1 G. F.) were released from confinement, their time having expired. Suspended bags of the crew at 9 hoisted up to lee clew of mainail. By order of Commanding Officer, Michael Gony (2 G. F.) was placed in double irons for being insolent to an officer.

(Signed) Samuel C. Rumbly

From Midnight to 4 P.M. Clear. Warm. Light from N.E. by E. Breeze out and overhauled both bow chains.

(Signed) Charles B. T. Stone

From 4 to 6 P.M. Clear and pleasant. Light breeze from N.E. At 5.45 kt lee clew of mainail. At 5.50 hauled at quarters. Ship polling moderately.

(Signed) James K. Cogswell

From 6 to 8 P.M. Clear and pleasant. Moderate breeze from N.E. Barometer rising.

(Signed) Clinton K. Curtis

From 8 to Midnight. Clear. Cool. Pleasant. Light N.E. breeze. Cumulus clouds. Barometer falling slowly.

(Signed) Samuel C. Rumbly

(Signed) Aca Watkey



Steamer *Essex*

At Sea.

Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of Sky.	Force of Wind.	Direction of Current.	Speed of Current.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Therm. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																	
1	4 4		P.W. by W. H.E. 4 H.		3		30.03	78	79	76	78	bc		Under	2		Payable, F. J. Paile, T. Paile.
2	4 4		" H.E.		3		30.02	78	78	75	78	"		"	2		Bottom clear of the sail.
3	5 0		"		3		30.01	78	77	74	78	"		"	1		Fit and flying, fit.
4	5 4		"	E.H.E.	3		30.00	78	77	74	78	"		"	7		
5	6 0		"	"	3		30.00	78	78	74	78	"		"	8		
6	5 6		"	"	3		30.03	78	78	74	78	"		"	3		
7	5 0		"	"	3		30.02	78	78	75	78	"		"	2		
8	4 4		"	H.H.E.	2		30.02	78	79	76	78	"		"	1		
9	3 4		"	"	2		30.03	78	80	77	78	"		Under	3		
10	4 4		"	H.E. 4 H.	2.3		30.03	78	81	77	80	"		"	3		
11	5 4		"	E.H.E.	3		30.03	79	82	77	80	"		"	3		
Noon.	4 0		"	"	3		30.01	79	82	78	80	"		"	2		

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 6 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

120 knots 4 fathoms.

22. 49.00. H.

20. 23.00. W.

22. 44.00. H.

20. 41.00. W.

W. 16. 8.

13

18. 20.00. W.

230 gallons.

"

1700 "

tons 250 lbs.

69 " 595 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Therm. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of Sky.	Force of Wind.	Direction of Current.	Speed of Current.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3 2		P.W. by W. E.H.E.		2		30.00	78	81	77	80	bc	Under	1		All plain sail
2	5 0		" H.E. 4 H.		3		29.99	77	80	77	80	"	"	1		for topmast stay sail
3	5 2		" H. 4 W.		3		29.98	77	79	76	80	bc	"	2		"
4	4 0		"	"	2		29.97	77	79	77	80	"	"	3		"
5	4 6		" H.E. 4 H.		2		29.97	77	80	78	79	"	"	5		Same except spritsail
6	4 4		" E. 4 H.		3		29.97	77	78	76	79	bc	"	2		and gaff topmast.
7	5 0		"	"	3		29.97	77	77	75	80	bc	"	3		"
8	5 4		"	"	3		29.98	77	76	74	80	"	"	3		"
9	5 4		"	"	3		30.00	77	75	74	80	bc	"	8		"
10	3 0		"	"	12		30.00	78	77	76	80	bc	"	4		"
11	4 4		"	"	2.3		29.98	78	78	76	80	"	"	2		"
Mid.	5 0		"	"	3		29.98	78	78	76	80	"	"	2		"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commodore Winfield Scott Phelps

Tuesday

October 2<sup>nd</sup>

, 1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Cloudy, cool. Gentle breeze from N<sup>th</sup> and E<sup>th</sup>.  
Observed moonlight. Barometer falling slowly. (Signed) Charles B. T. Moore, Ensign.
- From 4 to 8 A.M. Cloudy and pleasant. Light breeze from N<sup>th</sup> and E<sup>th</sup>. Barometer steady.  
(Signed) James K. Cogswell, Lieut.
- From 8 to Noon. Cloudy, pleasant. Light breeze from N<sup>th</sup> and E<sup>th</sup>. At 9.15 inspected  
at quarters. Exercised at company drill. Ship under all plain sail. Barometer  
falling. (Signed) Clinton K. Boutin, Lieut.
- From Noon to 4 P.M. Cloudy. Warm. Falling slowly. Cum. thin clouds.  
At 1 took in mainmast, gaff topsail and spanker. At 1.20 wind shifted  
to N.E. by N. braced up by foot-ropes, set in clew of mainmast. At 2.15  
set spanker and gaff topsail. At 2.35 set weather clew of mainmast. Turned  
out clothing to air. (Signed) Samuel C. Renshaw, Ensign.
- From 4 to 6 P.M. Cloudy, warm. Light breeze from N<sup>th</sup> and E<sup>th</sup>. Drizzling  
rain last hour. At 4.15 took in spanker and gaff topsail.  
(Signed) Charles B. T. Moore, Ensign.
- From 6 to 8 P.M. Cloudy and pleasant. Light breeze from E<sup>th</sup>. Drizzling  
rain first hour. Barometer rising slowly. Water phosphorescent.  
(Signed) James K. Cogswell, Lieut.
- From 8 to Midnight. Cloudy and overcast. Light wind, with squalls and  
drizzling rain, from E<sup>th</sup>. Barometer falling. (Signed) Clinton K. Boutin, Lieut.

92  
51  
36  
92  
37.72

Examined and found to be correct.

(Signed) Ada Wapner, Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 2.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	4	6	P.W. & W. E.H.E.		3		30.06	78	79	75	79	bc	Cum. Str.	6		All plain sail
2	4	6	"		3		30.04	78	79	76	79	"	"	4	"	upst. fore topmast
3	4	6	"	H.E. & E.	3		30.03	77	79	76	79	"	"	3	"	stay sail.
4	4	2	"	H.E.	3		30.03	77	79	76	79	"	"	2	"	"
5	6	0	"	E.H.E.	4		29.96	77	77	75	79	"	"	4	"	"
6	6	6	"	"	4		29.96	77	77	75	79	bc	"	0	"	"
7	6	0	"	"	4		29.95	76	76	75	79	"	"	2	"	"
8	5	4	"	"	3		29.96	76	77	76	80	"	"	1	"	"
9	5	2	"	E. & H.	3		29.96	77	78	76	80	"	"	2	"	"
10	5	4	"	E.	3		29.97	78	80	77	80	"	"	6	"	"
11	5	4	"	"	3		29.97	78	82	78	80	"	Subm.	"	"	"
Noon.	5	6	"	"	3		29.97	78	82	79	80	"	"	7	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots 2 fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8.50 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

120 knots 0 fathoms.

21 - 04 18" N.

21 - 53 00" W.

20 - 58 47" N.

21 - 59 00" W.

18 - 10 00" W.

250 gallons.

1470 "

tons 250 lbs.

69 " 345 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at 2.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
1	5	0	P.W. & W. E.		3		29.98	78	81	79	80	bc	Cum.	7		Plain sail.
2	5	0	"	"	3		29.92	78	80	77	80	"	"	8	"	"
3	5	0	"	"	3		29.90	78	80	77	80	"	"	8	"	"
4	5	0	"	"	3		29.90	78	80	77	80	"	"	7	"	"
5	4	4	"	E. & H.	3		29.90	77	80	76	81	"	"	5	"	"
6	3	2	"	"	2		29.90	77	80	79	81	"	"	5	"	"
7	3	2	"	"	2		29.92	78	79	75	80	"	Cum. Str.	3	"	"
8	4	0	"	E. & H.	2		29.93	78	78	75	80	"	"	8	"	"
9	4	4	"	H.E.	3		29.95	79	77	75	80	"	"	8	"	"
10	5	0	"	"	3		29.96	79	78	75	78	"	"	9	"	"
11	5	0	"	"	3		29.94	79	78	75	78	"	"	3	"	"
Mid.	5	2	"	"	3		29.94	79	78	74	78	"	"	3	"	"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commander Winfield Scott Perry  
Wednesday October 3<sup>rd</sup>

, 1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until A.M. Cloudy. Cool. Pleasant. Light breeze from N<sup>th</sup> and E<sup>th</sup>. Sun, thin clouds. At 2-15 Horns seen. At 2-45 took in main sail & squared away. Tacking shown last part of watch. (Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Cloudy, cool. Moderate breeze from E.N.E. (Signed) Charles B.T. Moore Ensign.

From 8 to Noon, Clear and pleasant. Moderate breeze from E<sup>th</sup>. At 9-15 mustered at quarters. Inspected 1<sup>st</sup> and 2<sup>d</sup> Divisions at great gun. At 10, set in clew of main sail, spanker and fore topmast stay sail. By order of Com<sup>d</sup>. Officer, Michael Perry (L.S.P.) was released from confinement and returned to duty. (Signed) James K. Cogswell Lieut.

From Noon to 4 P.M. Clear and pleasant. Light breeze from E<sup>th</sup>. Barometer falling. Put aloft fore and main top sail gaffs and fore main top sail. (Signed) Clinton K. Smith Lieut.

From 4 to 6 P.M. Cloudy. Warm. Light E<sup>ly</sup> breeze. Cumulus clouds. At 5-10 lighted a lamp off starboard beam standing to S<sup>th</sup> and W<sup>th</sup>. At 5-55 mustered at quarters. (Signed) Samuel C. Lundy Ensign.

From 6 to 8 P.M. Clear and pleasant. Light breeze from N<sup>th</sup> and E<sup>th</sup>. Barometer rising. (Signed) Charles B.T. Moore Ensign.

From 8 to Midnight. Cloudy and pleasant. Light breeze from N<sup>th</sup> and E<sup>th</sup>. A sail crossed our bow bound to S<sup>th</sup> and E<sup>th</sup>. Barometer steady. (Signed) James K. Cogswell Lieut.

(Signed) Aea Wapen  
Lieut. Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the sky.	Direction of surface wind.	Force of surface wind.	Direction of bottom wind.	Force of bottom wind.	State of the sea.	Record of the sail (the vessel is under at end of watch).
				Direction.	Force.		Height in inches.	Ther. air/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																	
1	4 4		P.W. E.M. E.		2.8	29.98	77	79	76	80		Le	Gun	4	8		
2	5 0		"	"	2.8	29.92	78	78	76	80		"	"	5	"		
3	4 0		"	"	2	29.91	78	78	75	80		"	"	7	"		
4	4 4		"	"	2	29.90	78	79	75	80		"	"	7	"		
5	4 2		"	E	2	29.92	78	79	75	80		"	"	2	"		All plain sail
6	3 6		"	E S E	2	29.93	78	79	74	80		"	"	4	"		"
7	3 4		"	E S E	2	29.94	78	79	75	81		"	"	4	"		"
8	3 6		"	"	2	29.96	78	81	76	79		"	"	4	"		"
9	4 0		"	"	2	29.98	79	82	78	79		"	"	4	"		All plain sail
10	4 4		"	"	3	29.99	79	82	79	80		"	Gun	6	"		except mainsail.
11	4 0		"	"	2	29.99	79	82	79	80		"	"	6	"		"
Noon.	3 2		"	"	2	29.97	79	83	79	80		"	"	7	"		"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 2 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

108 knots 6 fathoms.

19. 32.40. W.

28. 00. 00. W.

19. 37.40. W.

28. 05.00. W.

18. 30.00. W.

300 gallons.

1170 "

7 tons 650 lbs.

61 " 1935 "

P. M.																
1	3	0	P.W. E.M. E.P.E.	2	29.94	78	81	78	80	Le	Gun	8	8	8	All plain sail	
2	4	4	"	2	29.94	79	82	78	80	"	"	9	9	9	except gaff topsail	
3	8	6	"	2	29.98	79	82	78	80	"	"	9	9	9	and spanker -	
4	9	0	"	2	29.92	79	82	78	80	"	"	9	9	9	"	
5	8	0	"	P.E. S.E.	2	29.92	80	81	78	80	"	"	8	8	Staining 6 boilers	
6	7	6	"	1.2	29.92	80	81	78	80	"	"	8	8	8	"	
7	8	0	"	E.S.E.	1	29.94	81	81	78	80	"	"	6	6	Head sail -	
8	7	4	"	1	29.97	80	81	80	80	"	"	7	7	7	"	
9	8	4	"	0.1	29.97	80	81	78	80	"	"	9	9	9	"	
10	9	0	"	P.E.	1	29.99	80	81	78	80	"	"	8	8	"	
11	9	0	"	1	29.99	80	81	78	80	"	"	8	8	8	"	
Mid.	9	4	"	E.S.E.	1	29.96	80	81	78	80	"	"	9	9	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Riley  
Thursday October 4<sup>th</sup>

, 1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy - Pleasant - Light breeze from N. and E. - Barometer falling slowly - Warm rain at 9.30  
(Signed) Clinton K. Gustin  
Lieut.

From 4 to 8 A.M. Cloudy - Warm - Light E. by breeze - Cumulus clouds - Barometer rising - At 7.50 set sprang and gaff topsail  
(Signed) Samuel E. Lundy  
Ensign.

From 8 to Merid. Clear - Warm - Light breeze from E. S. E. At 9.15 inspected at quarters - 1<sup>st</sup> Div. repaired at great guns, 2<sup>nd</sup> Div. at single sticks and Powder Div. at stations - At 11.15 took in and furled mainsail - Hoisted snapper stick - At 11.30 started fire in six boilers  
(Signed) Charles B. T. Moore  
Ensign.

From Merid. to 4 P.M. Clear and warm - Light breeze from S. and E. - At 1 instructed boatswain in their duties at arming and equipping boats - At 1.45 shortened and furled sail, and started with steam in six boilers - At 12 changed course to P. W. W. Steam pressure 60 lbs. - Revolutions 50  
(Signed) James K. Cozenell  
Lieut.

From 4 to 6 P.M. Clear and pleasant - Light breeze from S. E. by E. - Barometer steady - At 4.25 stopped engine on account of hot crank pin - At 4.35 started ahead - Shook spar - Steam pressure 60 lbs. - Revolutions 45 - Temp. of boiler 106°  
(Signed) Clinton K. Gustin  
Lieut.

From 6 to 8 P.M. Clear - Pleasant - Light E. S. E. breeze - Cumulus clouds - At 6.15 took in sprang, gaff topsail and main topsail - Steaming 6 boilers - Steam pressure 55 lbs. - Revolutions 43 - Temp. of boiler 106°  
(Signed) Samuel E. Lundy  
Ensign.

From 8 to Midnight - Clear and pleasant - Light air from S. and E. - Steaming with six boilers - Steam 60 lbs. - Revolutions 47  
(Signed) Charles B. T. Moore  
Ensign.

(Signed) Asa Walker  
Lieut. Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Logway.	BAROMETER.		TEMPERATURE.			State of Weather, by symbols.	Form of Clouds, by symbols.	Prev. or Clear Sky, in 100ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 0		P.W. 3/4 W.	Calce	0		29.96	80	82	78	82	bc	Gun	8		Fore and aft sail.
2	19 6		P.W. 3/4 W.	"	0		29.96	80	82	78	82	"	"	7		Heaving Rip tide.
3	10 0		"	"	0		29.95	80	82	78	82	"	"	6		"
4	10 2		"	W. 3/4 W.	1		29.94	80	82	78	82	"	"	3		"
5	10 2		"	"	1		29.95	80	80	79	81	"	"	3		"
6	9 6		"	"	1		29.96	80	80	79	81	"	"	3		"
7	1 2		S.W. 3/4 W.	"	1		29.98	80	81	79	81	"	"	5		"
8	13 0		"	"	1		29.97	80	82	80	81	"	"	6		"
9	Standing in for		"	"	1		29.97	81	83	81	81	"	"	8		"
10	Porta Grande		"	N. E.	2		29.97	82	84	81		"	"	8		"
11	Under direction of		"	"	3		29.96	83	85	81		"	"	8		"
Noon.	Navigator.		"	"	3		29.97	83	86	81		"	"	8		"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

230 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

840 "

Coal consumed during the preceding 24 hours

6 tons 50 lbs.

Coal remaining on hand at Noon

55 " 1885 "

P. M.														
1	At Anchor		E. by N.	3			29.91	83	85	82		bc	Gun	9
2	"		E. N. E.	3			29.90	82	85	81		"	"	18
3	"		"	3			29.89	82	85	81		"	"	8
4	"		"	3			29.88	82	84	81		"	"	9
5	"		E.	3			29.88	81	83	80		"	"	4
6	"		"	2			29.90	81	82	79		"	"	9
7	"		"	2			29.91	80	82	78		"	"	9
8	"		"	2			29.93	80	81	78		bc	How	10
9	"		"	2			29.94	80	82	78		bc	Gun	9
10	"		"	2			29.93	80	82	79		"	"	9
11	"		"	2			29.93	80	82	79		"	"	8
Md.	"		"	2			29.93	80	82	79		"	"	7

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commodore Winfield Scott Schley  
Friday October 5<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and warm. Calm. Steaming with rif boiler. Steam pressure 61 lb. Revolution 53.  
(Signed) James K. Cogswell, <sup>Lieut.</sup>

From 4 to 8 A.M. Clear and pleasant. Light air from S. and W. Breeze steady. At 6 sighted high land bearing S.W. 1/2 W. to S. S. W. Put chains and got anchor off the two Porras islands in sight at end of watch, bearing S. to W. N. W. Changed course to S.W. 1/4 W. at 6.50.  
(Signed) Clinton K. Curtis, <sup>Lieut.</sup>

From 8 to Noon, Clear. Warm. Light E. by S. breeze. Cumulus clouds. Standing in for Port Grande. Engaged in getting ship ready for port. At 10.42 came to in 8 fathoms water, running to 4 5 fathoms port chain. Ship's head E. by N. Good Island bearing (true) N. 1/4 W. Port E 1/4 S. At 11 Health Officer visited the ship and granted furlough. An Officer from Portuguese Gunboat "Radio" came on board and presented the compliments of his Commander. Draught forward 13 feet 10<sup>in</sup>. Amidships 14 feet 11<sup>in</sup>. Aft 16 feet. Allowing five to die out in four boilers. Five tanked in two boilers. Steam pressure 40 lb. Temp. of tank 108°.  
(Signed) Samuel E. Leach, <sup>Ensign.</sup>

From Noon to 4 P.M. Clear, warm. Moderate breeze from E. H. E. American Consul visited the ship. Hauled five in four boilers. Five tanked in two boilers. Steam pressure 25 lb. Distilling. Temp. of tank 106°.  
(Signed) Charles J. T. Moore, <sup>Ensign.</sup>

From 4 to 8 P.M. Clear and pleasant. Light breeze from E. Five tanked in two boilers. Average pressure 25 lb. Distilling.  
(Signed) James K. Cogswell, <sup>Lieut.</sup>

From 8 to Midnight. Clear. Pleasant. Damp. Light E. by breeze. Cumulus clouds. At 8.40 English Steamer "Exeter" left the harbor. Five tanked in two boilers. Average pressure 25 lb. Distilling.  
(Signed) Samuel E. Leach, <sup>Ensign.</sup>

(Signed) Asa Walker, <sup>Lieut.</sup>



## LOG of the UNITED STATES

Steamer

Essex

3<sup>rd</sup>

Rate, 6

Guns,

Porta Grande, Cape de Verde, Islande

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Height of Clouds, by symbols.	State of the Sea.	Record of the soil the vessel is under at end of watch.
				Direction.	Force.		Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.															
1				P. S. W.	1	29.98	78	80	78	bc	Sum	9			
2				d. E.	1	29.90	78	81	78	bc	Sum	10			
3					1	29.89	78	82	79	bc	Sum	9			
4				d. S. E.	1	29.90	78	81	78	"	"	8			
5				Calu	0	29.90	78	81	78	"	"	9			
6				"	0	29.90	78	79	78	"	"	9			
7				"	0	29.91	79	80	78	"	"	5			
8				"	0	29.93	81	82	80	"	Calu	5			
9				H. E.	1	29.93	81	83	81	"	"	5			
10				"	1.2	29.93	83	84	81	"	"	7			
11				"	2	29.92	83	85	81	"	"	7			
Noon.				E. H. E.	1.2	29.90	82	85	81	"	"	7			

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water *Condensed* during the preceding 24 hours

100 "

Water remaining on hand fit for use at Noon

590 "

Coal consumed during the preceding 24 hours

1 tons 10 10 lbs.

Coal remaining on hand at Noon

54 " 875 "

P. M.															
1				E.	2	29.90 82 85 81				bc	Calu	6			
2				E. S. E.	2	29.88 83 85 82				"	"	6			
3				d. E.	2	29.87 84 85 82				"	"	6			
4				E.	2	29.87 83 84 81				"	"	8			
5				"	2	29.88 83 83 81				"	Sum	8			
6				H. E.	2	29.90 82 82 80				"	"	9			
7				"	2	29.91 82 80 78				"	"	8			
8				"	1	29.93 81 82 80				"	"	9			
9				H. E. S. E.	1	29.93 81 82 80				"	"	8			
10				"	1.2	29.93 81 82 79				"	"	8			
11				"	2	29.93 81 82 79				"	"	8			
Md.				"	2	29.93 81 82 79				"	"	8			

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



Commander Winfield Scott Pelee  
Saturday October 6<sup>th</sup>

, 1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Clear and pleasant. Light variable. Barometer falling. Fire tanked in two trials. Distilling- (Signed) Charles B. T. Moore  
Ensign.
- from 4 to 8 A.M. Clear and warm. Calm. Commenced to coal ship at 8. (Signed) James K. Cogswell  
Lieut.
- from 8 to Noon, Clear and warm. Light breeze from N.W. and E. Barometer falling slowly. Coaling ship. Picnic on board 60 men. Some of Officer paid official visit to Portuguese Comdr. (Signed) Clinton K. Curtis  
Lieut.
- from Noon to 4 P.M. Clear Warm Light breeze from S. and E. Sun, some clouds. Coaling ship. Commanding Officer of Portuguese Gunboat "Fado" paid official visit to the ship. Fire tanked in two trials. Steam pressure 35 lbs. Distilling- (Signed) Samuel C. Keady  
Ensign.
- from 4 to 8 P.M. Clear and pleasant. Light N.E. breeze. Fire tanked in two trials. Distilling- (Signed) Charles B. T. Moore  
Ensign.
- from 8 to Midnight. Clear and pleasant. Light breeze from N.W. and E. Barometer steady. (Signed) Clinton K. Curtis  
Lieut.

(Signed) Asa Walcott  
Lieut.



## LOG of the UNITED STATES

Steamer

Essex

3<sup>rd</sup> Rate, 6 Guns,

Tota Grande, Capa de Turo Island.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky in fathoms.	State of the Sun.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				H.E.	1		29.91	80	82	80		bc	Cir Cum 8			
1				"	1		29.89	80	82	80		"	"	8		
2				"	2		29.89	80	82	79		"	"	6		
3				"	2		29.89	80	82	79		"	"	6		
4				"	2		29.90	81	81	80		"	"	4		
5				"	2		29.92	79	81	82		"	"	3		
6				"	2		29.95	80	81	82		"	"	2		
7				G.H.E.	2		29.95	81	82	82		"	"	1		
8				"	2		29.95	82	83	82		"	"	2		
9				"	2		29.95	82	84	81		"	"	4		
10				"	2		29.95	82	85	82		"	"	4		
11				"	2		29.94	82	85	82		"	"	5		
Noon.				"	2							"	"			

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

230 gallons.

Water *Condensed* during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

760 "

Coal consumed during the preceding 24 hours

1 tons 890 lbs.

Coal remaining on hand at Noon

52 " 2225 "

P. M.				H.E.	2		29.95	82	85	82		bc	Cir Cum 6			
1				"	2		29.91	82	85	82		"	"	6		
2				"	2		29.89	82	86	82		"	"	6		
3				H.E.	3		29.89	82	84	81		"	"	6		
4				G.	2		29.90	83	85	82		"	"	5		
5				G.H.E.	2		29.91	83	84	81		"	"	6		
6				H.E.	2		29.92	83	84	80		"	"	7		
7				"	3		29.94	82	83	80		"	"	8		
8				"	3		29.95	82	84	80		"	"	7		
9				"	2		29.96	83	83	80		"	"	5		
10				"	2		29.96	82	83	80		"	"	2		
11				"	1		29.96	82	83	80		"	"	2		
Mid.				"	1							"	"			

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

" " "



under the command of

Commander Winfield Scott Pelee  
Sunday October 7<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear - Pleasant. Damp - Light N.E. breeze -  
Cir, cum, clouds - Fire tanked in two boilers. Steam pressure 35 lb. Distilling -

(Signed) Samuel C. Remy  
Ensign.

From 4 to 8 A.M. Cloudy - Pleasant. Light breeze from N.W. and E. -  
Fire tanked in two boilers. 158 lb fresh beef, 140 lb vegetables -  
Distilling -

(Signed) Charles F. T. Morris  
Ensign.

From 8 to Midnight, Cloudy and warm. Light breeze from N.E. At 9 an English  
Steamer came in from the W. and anchored. At 9.50 Commanding Officer  
inspected at quarters. Afterwards Articles of War were read and our Minister.  
Commanding Officer read prayers. The Governor of the Island paid an  
official visit to the ship. Fire tanked in two boilers. Average pressure 30 lb.  
Distilling -

(Signed) James K. Cogswell  
Lieut.

From Midnight to 4 P.M. Clear and pleasant. Light breeze from N.E. -  
falling -

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 P.M. Cloudy - Warm. Light E. breeze - Cir, cum, clouds -  
At 4.30 Henry E. Foster (Ship Tailor) left the ship for the United States,  
having been condemned by medical survey. At 6.15 English Steamer  
"Magellan" left the harbor. Fire tanked in two boilers. Average pressure  
30 lb. Distilling -

(Signed) Samuel C. Remy  
Ensign.

From 8 to Midnight. Cloudy and pleasant. Light N.E. breeze -  
Fire tanked in two boilers. Average pressure 25 lb. Distilling -

(Signed) James K. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Ora Watpe  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water on surface.				
A. M.				N. E.	2	29.94	82	83	81		bc	Cum. Mist	3		
1				"	2.4	29.92	82	83	81		bc	"	1		
2				"	2.4	29.90	82	83	81		"	"	1		
3				"	3.5	29.90	82	83	82		bc	"	0		
4				"	3	29.91	81	83	82		bc	"	3		
5				"	2	29.93	81	83	82		bc	"	4		
6				"	2	29.94	81	83	82		"	"	4		
7				N. E.	2	29.95	81	84	82		"	"	3		
8				E. S. E.	2	29.96	82	85	83		"	"	1		
9				"	1	29.96	83	86	83		"	"	2		
10				N. E.	1	29.94	84	86	84		"	"	1		
11				N. W.	1	29.94	83	85	83		"	"	1		
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

230 gallons.

Water *Perished* during the preceding 24 hours

1700 "

Water remaining on hand fit for use at Noon

2920 "

Coal consumed during the preceding 24 hours

6 tons 490 lbs.

Coal remaining on hand at Noon

203 " 1735 "

P. M.															
1				N. W.	1	29.93	82	83	82		bc	Cum. Mist	1		
2				"	1	29.93	83	85	83		bc	"	2		
3	Handing out of			"	1	29.93	83	85	83		bc	"	1		
4	Porta Grande			S. E.	3	29.93	83	85	83		bc	"	4		
5	7 0 S. E. 1/2 E.			S. E.	3	29.95	83	85	82		"	Cum. 4	"		
6	7 0 "			"	3	29.95	83	85	82		"	"	8		
7	7 2 "			"	3	29.97	83	85	83	85		"	8		
8	7 0 "			"	3	29.98	83	84	83	85		"	8		
9	7 6 S. E. 1/4 E.			"	3	30.00	82	84	81	85		"	9		
10	7 2 "			"	3	30.02	82	83	81	84		"	9		
11	7 0 "			"	3	30.01	81	83	80	84		"	9		
Mid.	7 2 "			"	3	30.00	81	83	80	84		bc	10		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

Heaving 4 toiles.  
Main stay sail.



Commander Winfield Scott Kelly  
Monday October 8<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and cloudy - Light N.E. breeze, freshening in quiet during last hour. Lightning around horizon to N. and E. Barometer falling slowly -

(Signed) Clinton K. Curtis

from 4 to 8 A.M. Cloudy - Warm - Lightning first hour. Some thin clouds. Commenced coaling - At 8 water lighter came along side - Received in Pay Dept. 158 lbs fresh beef and 140 lbs vegetables - Time was put in two boilers - Distilling -

(Signed) Samuel C. Rensley

from 8 to Noon, Cloudy, Warm - Light variable air - Engaged in coaling ship - Total received on board 159 Tons - At 12 started fire in four boilers - Received 1700 galls. fresh water - Barometer falling slowly -

(Signed) Charles F. T. Moore

from Noon to 4 P.M. Cloudy and warm - Light breeze from N. and E. first part, from S. later part of watch - At 2 got underway and steamed out of port - Draught forward 14 feet 4 in - Amidships 15 feet 3 in - Aft 16 feet 2 in - Steaming with four boilers - Steam pressure 65 lbs - Revolutions 42 - The Commander of the Portuguese Gunboat "Fado" visited the Commanding Officer -

(Signed) James K. Cogswell

from 4 to 6 P.M. Clear and pleasant - Light breeze from N.E. Barometer steady - At 4 took departure - Lat. 16.47 N. - Long. 25.62 W. - Average steam 60 lbs - Revolutions 43 - Steaming four boilers -

(Signed) Clinton K. Curtis

from 6 to 8 P.M. Clear - Pleasant - Breeze - Cumulus clouds - Moon set at 6.50 - Steaming four boilers - Steam 60 lbs - Revolutions 47 -

(Signed) Samuel C. Rensley

from 8 to Midnight. Clear - Pleasant - Gentle breeze from S.E. Steaming with four boilers - Steam pressure 60 lbs - Revolutions 43 -

(Signed) Charles F. T. Moore

(Signed) Ada Walper

Lieut.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Baromet.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	7 4	4	P. E. 1/4 E	P. E.	2	30.00	81	82	81		bc	Gu	9	8	Heaving from force
2	7 4	"	"	"	3	30.00	81	82	81		"	"	8	"	"
3	7 2	"	"	"	3	29.98	81	82	81		"	"	9	"	"
4	8 0	"	"	"	3	29.95	81	82	80		"	"	9	"	"
5	7 4	"	"	"	3	29.95	81	83	79		"	"	8	"	"
6	7 4	"	"	"	3	29.95	81	83	80		"	"	9	"	"
7	7 4	"	"	"	2	29.95	82	84	81		"	"	9	"	"
8	3 1/4	"	P. E.	"	2	29.98	82	84	81		"	"	5	"	Main "try sail."
9	Standing in for		E. P. E.	"	1	29.98	82	85	82		"	"	8	"	
10	Porta Brava		P.	"	2	29.97	83	85	84		"	"	8	"	
11	Under direction		H.	"	2	29.96	83	87	86		"	"	8	"	
Noon.	of Navigator		H.	"	2	29.94	84	88	85		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

230 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2690 "

Coal consumed during the preceding 24 hours

5 tons 1950 lbs.

Coal remaining on hand at Noon

197 " 2065 "

P. M.															
1	At Anchor.		P. E.	2	29.92	85	88	86		bc	Gu	7	8		
2			H. E.	2	29.90	85	88	85		"	"	8	"		
3			"	3	29.90	85	88	84		"	"	9	"		
4			"	2	29.91	86	89	84		"	"	9	"		
5			"	3	29.91	86	88	85		"	"	8	"		
6			"	2	29.92	85	87	84		"	"	9	"		
7			"	2	29.93	85	85	83		"	"	9	"		
8			"	1	29.95	85	85	82		"	"	9	"		
9			E.	2	29.95	83	84	82		"	bc Gu	8	"		
10			"	2	29.97	82	83	82		"	"	8	"		
11			"	2	29.96	81	82	81		"	"	8	"		
Mid.			"	2	29.95	81	81	81		"	"	8	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commander Winifred Scott Schley  
Thursday October 9<sup>th</sup>

, 1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Damp. Light breeze from S.E. Steaming with four boilers. Average pressure 65 lbs. Revolutions 43.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light breeze from S.E. Gaumont firing. At 5.20 made land hoisting (p.c.) S. by E. At 6 made land hoisting (p.c.) E. by E. and W. by W. Steaming four boilers. Steam pressure 60 lbs. Revolutions 43. Changed course at 7.35 to S. by E.

(Signed) Clinton K. Gentry  
Lieut.

From 8 to Midnight. Clear. Warm. Cumulus clouds. Light variable air. Standing in for Port of Paga. Steaming four boilers. At 11.55 came to in 8 ft. fathoms water, heaving to 45 fathoms port chain. Draught forward funnel feet 4 in. Amidships 15 feet 3 in. Aft 16 feet 2 in. Bearings at anchor. N. end of Quail Island N. W. 3/4 N. Pera Tenuroa W. by W. Average pressure 60 lbs. Revolutions 46 1/2.

(Signed) Samuel C. Rensley  
Ensign.

From Midnight to 4 P.M. Clear, warm. Light breeze from N. and E. The American Consul visited the ship. Five tanked in four boilers.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 P.M. Clear and pleasant. Light breeze from N.E. Five tanked in four boilers. Average pressure 25 lbs.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Damp. Light E. breeze. Cumulus clouds. Five tanked in four boilers. Average pressure 25 lbs.

(Signed) Samuel C. Rensley  
Ensign.

(Signed) Ala Walpus  
Lieut.



*Steamer Essex* 5<sup>th</sup> Rate, 6 Guns,  
Porta Praya, Cape de Verde Islands

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				N. E.	2		29.93 81	83	80		bc	Cum	8		
1				"	2		29.91 81	83	80		"	"	9		
2				"	3		29.91 81	82	80		"	"	9		
3				"	3		29.92 81	82	79		"	"	9		
4				"	3		29.90 80	82	79		"	"	9		
5				"	3		29.90 81	83	80		"	"	9		
6				"	3		29.90 81	83	80		"	"	9		
7				"	3		29.91 82	83	81		"	"	9		
8				"	3		29.93 83	85	82		"	"	9		
9				"	3		29.94 83	86	82		"	"	9		
10				"	3		29.93 84	87	82		"	"	8		
11				"	3		29.92 85	87	82		"	"	8		
Noon.				"	3						"	"	8		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

2190 "  
4 tons 690 lbs.  
193 " 1375 "

P. M.				N. E.	3		29.91 84	86	82		bc	Cum	8		
1				"	3		29.90 83	85	81		"	"	8		
2				"	3		29.88 82	84	80		"	"	8		
3	6	0	S. E. 3/4 E.	"	3		29.87 82	84	80		"	"	7		All plain sail except Mainail.
4	9	4	"	"	3		29.88 82	83	79	84	"	"	8		"
5	8	6	"	"	3		29.90 82	83	78	84	"	"	8		"
6	8	6	"	"	3		29.92 81	83	79	84	"	"	9		"
7	4	6	"	"	3		29.92 81	83	79	84	"	"	9		"
8	5	0	"	"	3		29.94 82	83	79	83	"	"	9		"
9	4	6	"	"	3		29.95 82	83	79	83	"	"	8		"
10	4	6	"	"	3		29.93 82	83	79	83	"	"	8		"
11	5	2	"	"	3		29.93 82	83	79	83	"	"	8		"
Mid.	4	2	"	"	3						"	"	8		"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Schley  
Wednesday October 10<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear and pleasant. Light breeze from N.E. and E. Five tanked in four boilers. (Signed) Charles J. T. Moore

From 4 to 8 A.M. Clear and pleasant. Light breeze from N.E. Five tanked in four boilers. (Signed) James K. Cogswell

From 8 to Midnight. Clear and pleasant. Moderate breeze from N.E. Barometer falling slowly. At 9.15 inspected at quarter. Exchanged color with an American Schooner leaving harbor. Five tanked in four boilers. (Signed) Clinton K. Curtis

From Midnight to 4 P.M. Clear. Warm. At 1.10 a Portuguese officer paid official visit to the ship. At 1.45 steam reported ready. At 2 got underway and stood out under steam in four boilers. Draught forward 14 feet 3<sup>in</sup>. Amidships 15 feet 2<sup>in</sup>. Aft 16 feet 2<sup>in</sup>. At 2.40 set fore and aft sail. At 3.10 made all plain sail except mainmast. By order of Commanding Officer, Fore, Fore (2 C.F.) was placed in solitary confinement, bread and water, for speaking and disobedience of order. By order of Commanding Officer, Herman Meyer and William White, ordinary seamen second class, for speaking, are to stand their watches on quarter deck until further order. Steaming under four boilers. Average pressure 60 lbs. Revolution 50. At 2 stopped distilling. (Signed) Samuel C. Rensley

From 4 to 6 P.M. Clear and pleasant. Light breeze from E. by N. Steaming with four boilers. At sunset inspected at quarter. At 6 stopped steaming. (Signed) Charles J. T. Moore

From 6 to 8 P.M. Clear and pleasant. Light breeze from N.E. At 6 changed course to S.E. by S. Tanked five in four boilers. Distilling. (Signed) James K. Cogswell

From 8 to Midnight. Clear and pleasant. Light breeze from N.E. and E. Barometer falling slowly. At 9 set double reefed mainmast. Five tanked in two boilers. Distiller in operation. (Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Asa Walpole

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prevalence of Fog, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.					
A. M.															
1	4 2		S. E. by S.	E. N. E.	2	29.91	82.88	79.88			bc	Gun 9			All plain sail
2	4 0		"	"	2	29.90	82.88	79.88			"	Gun 6			double reefed
3	4 2		"	"	2	29.90	82.88	79.88			"	Gun 8			W. sail
4	4 2		"	"	2	29.90	82.88	79.88			"	" 9			"
5	3 6		"	"	2	29.92	82.88	79.84			"	" 9			"
6	4 4		"	N. E. by E.	2	29.92	82.88	80.84			"	" 4			"
7	5 0		"	"	2	29.94	82.88	80.84			"	" 5			"
8	5 4		"	E. N. E.	3	29.95	82.88	80.84			"	" 4			"
9	5 6		"	"	3	29.96	81.84	80.84			"	" 8			"
10	5 4		"	"	3	29.96	81.84	80.84			"	" 9			"
11	4 2		"	"	2	29.94	81.84	80.84			"	Gun 9			"
Noon.	2 4		"	"	2	29.92	81.84	80.84			"	" 9			"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 2 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

115 knots 2 fathoms.

13.39.00. N.

22.00.00. W.

13.45.00. N.

22.07.00. W.

18.50.00. W.

230 gallons.

500 "

2460 "

1 tons 310 lbs.

192 " 1065 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Barometer.	TEMPERATURE.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prevalence of Fog, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3 0		S. E. by S.	E. N. E.	2	29.90	82.85	81.84	bc	Gun 9		All plain sail
2	3 0		"	"	2	29.90	82.85	82.84	"	" 9		double reefed
3	3 4		S. E. by S.	"	2	29.89	82.86	82.84	"	" 9		Mainail -
4	3 4		"	"	2	29.89	82.85	81.84	"	" 9		"
5	4 0		"	"	2	29.89	82.85	82.84	"	" 5		"
6	3 4		"	"	2	29.89	82.85	82.84	"	" 7		"
7	1 6		"	"	2	29.91	82.84	81.84	"	" 6		"
8	2 0		"	"	2	29.93	83.84	80.84	"	" 9		"
9	2 4		"	"	2	29.93	83.84	80.84	"	" 9		"
10	3 0		"	"	2	29.95	83.84	80.84	"	" 8		"
11	3 2		S. E. by S.	E. N. E.	2	29.95	83.84	80.84	"	" 8		"
Mid.	3 0		"	"	2	29.95	83.82	80.84	"	" 9		"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Schley  
Thursday October 11<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Pleasant - Light E.H.C. breeze - Cumulus  
mist, clouds. Fire tanked in two boilers. Average pressure 25 lb. Distilling -

(Signed) Samuel C. Remy  
Ensign.

From 4 to 8 A.M. Cloudy, pleasant - Light breeze from N.W. and E. Exchanged  
color with an English steamer standing to N.W. and W. Fire tanked in  
two boilers. Average pressure 25 lb. Distilling -

(Signed) Charles F. T. Moore  
Ensign.

From 8 to 11 A.M. Clear and warm - Light breeze from E.H.C. At 9.15  
inspected at quarters. Fire tanked in two boilers. Average pressure 25 lb.

(Signed) James K. Gogswell  
Lieut.

From 11 A.M. to 4 P.M. Clear, warm - Light breeze from N.W. and E. Barometer  
falling slowly. Fire tanked in two boilers. Distilling in operation -

(Signed) Clinton K. Gentry  
Lieut.

From 4 to 6 P.M. Clear, warm - Light E.H.C. breeze - Cumulus clouds. At  
5.55 mustered at quarters. Fire tanked in two boilers. Steam pressure 25 lb.  
Distilling -

(Signed) Samuel C. Remy  
Ensign.

From 6 to 8 P.M. Clear and pleasant - Light air from E.H.C. Fire  
tanked in two boilers. Steam pressure 25 lb. Distilling -

(Signed) Charles F. T. Moore  
Ensign.

From 8 to Midnight - Clear and pleasant - Light air from N.W. and E.  
Wind veering and hauling. Passed through a number of tide rips. Fire  
tanked in two boilers. Steam pressure 24 lb. Distilling -

(Signed) James K. Gogswell  
Lieut.

(Signed) Ara Walter  
Lieut.



Steamer "Essex"

At Sea, 5<sup>th</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.			TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Pop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																	
1	3	4	P. E. 6 1/4	E. d.	2		29.93 81	83	80	83	bc	Thin	9				All plain sail.
2	4	0	"	"	2		29.93 81	83	80	83	"	"	8				"
3	3	4	P. E. 6 3/4	"	2		29.93 81	83	80	83	"	"	9				"
4	4	0	P. E. 4 1/2	E. by N.	2		29.93 81	83	80	83	"	"	9				"
5	3	6	"	E. by N.	2		29.92 81	84	80	83	"	Thin	8 1/2				All plain sail.
6	3	4	"	"	2		29.92 81	84	80	83	"	"	8				Single reefed
7	4	2	"	"	2		29.94 82	85	82	84	"	"	8				Main sail
8	5	4	"	"	3		29.95 82	85	81	84	"	"	8				"
9	6	0	"	E. N. E.	3		29.96 83	85	81	84	"	Thin	9				"
10	5	4	"	"	3		29.96 83	85	82	84	"	"	8				"
11	6	0	"	"	3		29.94 83	85	81	84	"	"	9				"
Noon.	6	4	"	"	3		29.93 83	85	81	84	"	"	9				"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 7.50 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

92 knots 0 fathoms.  
 12.45.00 H.  
 28.56.00 W.  
 12.41.00 H.  
 20.56.00 W.  
 21.20.01 W.  
 230 gallons.  
 400 "  
 2630 "  
 1 tons 180 lbs.  
 191 " 885 "

P. M.																	
1	6	4	P.E. 4 1/2	E.N.E.	3	29.89	82	86	82	84	bc	Green	6	9	All plain sail		
2	7	0	"	"	4	29.87	83	86	82	84	"	"	6	"	Single reefed		
3	6	0	"	H.E. 4 1/2	3	29.86	83	86	82	84	"	Green	5	"	Main sail.		
4	6	2	"	"	3	29.85	83	86	82	84	"	"	4	"	"		
5	6	4	"	"	3	29.87	83	86	82	84	"	Green	4	"	"		
6	6	0	"	"	3	29.87	83	85	81	84	"	"	3	"	"		
7	6	2	"	E. by N.	3	29.92	83	85	81	84	"	Green	5	"	"		
8	6	2	"	"	3	29.92	83	85	81	84	"	Green	3	"	"		
9	6	2	"	E.N.E.	3	29.93	83	85	81	84	"	"	4	"	"		
10	6	0	"	"	3	29.93	83	85	81	84	"	"	4	"	"		
11	6	0	"	"	3	29.94	83	85	81	84	"	"	7	"	"		
Mid.	6	0	"	"	3	29.93	83	84	81	84	"	"	7	"	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Selig  
 Friday October 12<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light breeze from E.  
 Barometer steady - Fire banded in two boilers - Distilling -  
 (Signed) Clinton K. Curtis  
 Lieut.

From 4 to 8 A.M. Clear. Pleasant. Warm. Light E. breeze. Sun, thin, clouds -  
 At 7.10 stopped distiller and hauled fire. At 7.40 shook one reef out  
 of mainsail.  
 (Signed) Samuel C. Rensley  
 Ensign.

From 8 to Midnight, Clear, warm. Gentle breeze from E.N.E. At 9.15 speared  
 at fire quarters. Expected at quarters. By order of Commanding Officer,  
 Thomas Foley (2.C.F.) was released from confinement -  
 (Signed) Charles F. T. Moore  
 Ensign.

From Midnight to 4 P.M. Cloudy and warm. Light breeze from N. and E.  
 Light swell from N.E.  
 (Signed) James K. Cogswell  
 Lieut.

From 4 to 6 P.M. Clear and pleasant. Moderate breeze from N. and E.  
 Barometer steady - At 5.45 Mustard at quarters -  
 (Signed) Clinton K. Curtis  
 Lieut.

From 6 to 8 P.M. Partially clear - Pleasant - Moderate breeze. Sun, Sun, thin, clouds.  
 Facing showers last hour.  
 (Signed) Samuel C. Rensley  
 Ensign.

From 8 to Midnight. Cloudy, pleasant. Moderate breeze from E.N.E. Moon  
 set at 10.20.  
 (Signed) Charles F. T. Moore  
 Ensign.

Examined and found to be correct.

(Signed) Asa Walfer  
 Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																	
1	6 0		P. E. by P.	N. E. by E.	3		29.90	83	84	80	84	bc	Clear	8	8		All plain sail.
2	6 4		"	"	4		29.89	83	84	80	84	"	"	8	"		single reefed
3	7 0		"	"	4		29.87	83	84	80	84	"	"	8	"		Mainmast -
4	7 4		"	"	4		29.86	83	84	81	84	"	"	8	"		"
5	7 4		"	"	4		29.85	83	85	81	84	"	Clear	7	"		"
6	7 0		"	"	4		29.85	83	85	82	84	"	"	3	"		"
7	7 0		"	"	3 1/2		29.85	83	85	82	84	bcy	"	1	"		"
8	6 0		"	"	3 1/2		29.90	83	86	82	84	"	"	1	"		"
9	6 4		"	N. E.	4		29.92	83	85	82	84	"	"	2	"		"
10	6 0		"	E. by N.	3		29.91	81	83	80	84	bcy	"	1	"		"
11	4 2		P. E. by P.	E. by N.	3		29.90	82	84	80	84	bc	"	1	"		"
Noon.	3 4		P. E. by P.	E. by N.	4		29.88	82	85	82	84	"	"	1	"		"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 4 fms. per hour, setting to the W.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

149 knots 6 fathoms.

11. 06.00. W.

18. 58.00. W.

11. 08.00. W.

19. 10.30. W.

18. 40.00. W.

230 gallons.

2400 "

tons 250 lbs.

191 " 635 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3 0		P. E. by P.	E. by N.	2		29.85	83	85	82	85	bc	Clear	2	"	All plain sail.
2	2 6		"	"	1 1/2		29.84	83	86	83	86	"	"	3	"	single reefed
3	3 4		"	E. N. E.	2		29.83	83	86	83	86	"	"	2	"	Mainmast -
4	5 0		"	"	3		29.83	83	86	83	86	"	"	4	"	"
5	5 4		"	E.	3 1/2		29.83	81	83	80	86	bcy	"	4	"	Same reefed
6	3 6		P. E. by P.	E. by P.	3		29.82	82	83	80	86	bc	"	2	"	and flying jib.
7	2 0		P. E. by P.	"	1 1/2		29.85	83	83	81	86	"	"	3	"	"
8	2 4		P. E. by P.	E. by P.	1 1/2		29.87	83	82	80	86	"	"	2	"	"
9	3 0		P. E. by P.	E. by N.	2		29.89	83	84	81	86	"	"	3	"	"
10	1 4		"	"	0 1/2		29.88	83	85	81	86	"	"	4	"	"
11	0 4		"	"	0 1/2		29.87	83	85	82	86	bcy	"	2	"	"
Mid.	0 4		"	"	0 1/2		29.85	83	85	83	86	"	"	4	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winifred Pitt Kelly  
Saturday October 13<sup>th</sup>

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Clear and pleasant. Moderate breeze from N<sup>W</sup> and E<sup>W</sup>.  
(Signed) James K. Cogswell  
Lieut.
- From 4 to 8 A.M. Cloudy. Pleasant. Moderate breeze, with puffs, from N<sup>W</sup> and E<sup>W</sup>. Squally about horizon. Barometer rising.  
(Signed) Clinton K. Gentz  
Lieut.
- From 8 to Midnight. Cloudy. Squally. Moderate E<sup>W</sup> breeze first part of watch, light breeze latter part. Sun, thin, clouds.  
(Signed) Samuel C. Leamy  
Ensign.
- From Midnight to 4 P.M. Cloudy, warm. Light breeze from N<sup>W</sup> and E<sup>W</sup>. Barometer falling slowly.  
(Signed) Charles B. T. Worn  
Ensign.
- From 4 to 6 P.M. Cloudy and pleasant. Moderate breeze from N<sup>W</sup> and E<sup>W</sup>. At 5 reduced sail to a squall, took in light sails and cleared down topsails, hauled out reef topsails, during which the end of flying jib boom was carried away. Afterwards made sail to top gallant sails.  
(Signed) James K. Cogswell  
Lieut.
- From 6 to 8 P.M. Cloudy. Light air from E<sup>W</sup>. Barometer rising slowly.  
(Signed) Clinton K. Gentz  
Lieut.
- From 8 to Midnight. Cloudy. Squally. Falling shower. At 10 took in spanker and main sail. At 10-15 took in top gallant sails. Picked out flying jib boom.  
(Signed) Samuel C. Leamy  
Ensign.

(Signed) Alex. Walker  
Lieut.



Steamer "Ellis"

At Sea. 5<sup>th</sup> Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Looming.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, by 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	0	4	4.6 by 4	E. by E.	1		29.84	83	84	82	85	bc	0	100	7	Topmaste, Foresail,
2	0	6	4.9 E 1/4 E	E. by N.	1		29.84	83	85	82	85	"	"	3	"	fit & F. T. M. S. S.
3	0	6	4.6 by 4	"	1		29.83	83	84	82	85	"	"	8	"	"
4	0	4		"	1		29.84	83	84	82	85	"	"	8	"	"
5	1	6	4.9 E 1/4 E	N. E.	1		29.83	83	85	82	85	"	"	8	"	"
6	1	4	4.6 by 4	N. E. by E.	1		29.81	83	85	82	85	"	"	1	"	All plain sail
7	3	0	"	N. E.	2		29.82	83	85	82	84	og	"	0	"	except royale and
8	3	4	"	"	2		29.87	82	84	81	84	"	"	0	"	flying fit.
9	1	4	"	"	1.3		29.88	82	85	82	84	"	"	0	"	"
10	3	4	"	"	1.2		29.89	83	86	83	85	bc	"	3	"	Plain sail except
11	1	2	"	E. by N.	1.2		29.89	83	86	83	85	"	"	1	"	fit.
Noon.	1	4	"	E. by N.	1.2		29.87	83	86	83	85	"	"	3	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots 5 fms. per hour, setting to the W. 25° N.

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

55 knots 4 fathoms.

10 - 30 - 00" N.

18 - 31 - 00" W.

10 - 57 - 00" N.

18 - 46 - 00" W.

230 gallons.

2100 "

tons 250 lbs.

191 " 385 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Looming.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, by 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3	0	4.6 by 4	N. E.	3		29.85	83	86	83	86	bc	0	100	1	All plain sail
2	4	4	"	"	3		29.82	83	86	84	86	bc	"	2	"	except F. fit.
3	4	2	"	N. by E.	3		29.81	83	86	84	86	"	"	2	"	"
4	3	2	"	"	3		29.81	83	86	84	87	bc	"	1	"	"
5	2	0	"	E.	1		29.84	83	85	83	86	"	"	3	"	Same except masts
6	1	0	4 by E.	E. by E.	1		29.85	83	85	83	86	"	"	3	"	and gaff topsail.
7	6		4 by W. 1/2 W.	"	1		29.86	83	85	83	86	bc	"	6	"	"
8	1	0	4 by W.	"	1		29.88	85	85	83	86	"	"	5	"	"
9	1	0	4 by W.	4th and E. 1/2	1		29.91	85	85	83	85	bc	"	5	"	"
10	0	4	4 by W.	"	1		29.90	85	85	83	85	"	"	3	"	"
11	2	0	4.6 by 4	4th and E. 1/2	1.3		29.87	85	86	83	85	"	"	3	"	"
Mid.	1	0	4.6 by E.	4th and W. 1/2	1.2		29.87	85	86	84	85	"	"	1	"	"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commodore Winfield Scott Schley  
Sunday October 14<sup>th</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light air from N<sup>W</sup> and E<sup>W</sup>. Lightning to N<sup>W</sup> and W<sup>W</sup>.

(Signed) Charles F. T. Moore

From 4 to 8 A.M. Cloudy and pleasant. Light air from N<sup>W</sup> and E<sup>W</sup>. At 6 set top gallant sails. Heavy fall of rain at 8.

(Signed) James K. Cogswell

From 8 to Midnight. Weather overcast. Light air from N<sup>W</sup> and E<sup>W</sup>. Frequent rain squalls. Shortened and made sail as occasion required. Barometer falling. During watch a water spout found on Starboard beam, distant about three miles, travelling astern and to leeward, and lasting about ten minutes.

(Signed) Clinton K. Gault

From Midnight to 4 P.M. Cloudy. Squally. Light N.E. and E. by N. breeze. Sun, thin, clouds. At 3.45 set gaff topsail.

(Signed) Samuel C. Lundy

From 4 to 6 P.M. Cloudy, pleasant. Light air from E<sup>W</sup>. At 5 took in spraker and gaff topsail.

(Signed) Charles F. T. Moore

From 6 to 8 P.M. Cloudy and warm. Light air from S<sup>W</sup> and E<sup>W</sup>. Lightning in horizon to E<sup>W</sup>. Barometer rising slowly.

(Signed) James K. Cogswell

From 8 to Midnight. Overcast, with light breeze from S<sup>W</sup> and E<sup>W</sup>. At 9.30 took in and furlled royals, shortened and made sail as occasion required. At 11.30 were ship to S<sup>W</sup> and E<sup>W</sup> wind shifting to S<sup>W</sup> and W<sup>W</sup>. At 10.45 changed course to S. by E.  $\frac{3}{4}$  E. Barometer falling.

(Signed) Clinton K. Gault

Examined and found to be correct.

(Signed) A. A. Walker

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Winds, by symbols.	Force of Current, by symbols.	State of the Sea.	Direction of the wind (the vessel is under) at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	1	0	S. by E.	S. W.	1		29.86	83	84	82	85	bc	lg	Clear	3	All plain sail
2	2	4	S. by E. 1/4 E.	S. W.	2.3		29.86	83	85	82	85	bc	"	"	3	No top gallant sail
3	4	6	"	"	3		29.85	82	83	81	85	orl	"	"	0	"
4	5	0	"	* S. W. by W.	3.5		29.85	82	83	81	85	"	"	"	0	"
5	1	0	"	W. by W.	2.5		29.85	82	82	80	85	org	"	"	0	"
6	2	0	"	W.	2		29.87	82	82	80	85	or	"	"	0	"
7	3	4	"	W. by W.	2.4		29.86	82	82	81	86	bc	lg	"	1	All plain sail
8	5	4	"	"	5		29.89	82	82	81	86	bc	lg	"	1	except royale, top
9	6	0	S. by E.	"	5		29.89	82	83	81	85	o	"	"	0	fit & gaff topsails.
10	5	6	S. by E.	"	5		29.89	82	83	81	85	"	"	"	0	"
11	5	2	"	W.	4		29.87	83	84	82	85	bc	"	"	2	"
Noon.	6	2	"	"	4		29.86	83	85	83	85	o	"	"	0	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 6 fms. per hour, setting to the N. W.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7-30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

72 knots 6 fathoms.

9.49.00. W.

17.52.30. W.

10.06.00. W.

18.01.00. W.

18.20.00. W.

230 gallons.

1870 "

tons 250 lbs.

191 " 135 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Winds, by symbols.	Force of Current, by symbols.	State of the Sea.	Direction of the wind (the vessel is under) at end of watch.
1	6	0	S. by E.	W.	3.4	29.84	83	85	83	85	og	Clear	0		All plain sail
2	5	0	"	"	3	29.83	83	84	82	85	ogr	"	0		except royale.
3	4	0	S. by E.	S. W.	2.5	29.85	81	78	76	86	"	"	0		"
4	6	0	S. by E.	S. by E.	2.4	29.85	81	79	76	86	"	"	0		"
5	5	0	S. by E. 1/2 E.	S. by W.	3	29.85	80	80	78	85	or	"	0		"
6	4	0	S. by E.	S. by W.	2.3	29.85	80	81	78	85	o	"	0		"
7	2	6	"	"	2	29.87	80	81	78	85	od	"	0		"
8	2	0	"	"	1.2	29.87	82	82	79	85	"	"	0		"
9	6	0	"	W.	1	29.88	81	82	79	85	o	"	0		"
10	1	4	"	S. W.	1	29.87	81	82	79	85	"	"	0		"
11	1	0	"	W.	1	29.85	81	82	80	85	"	"	0		"
Mid.	4	"	"	"	1	29.85	81	82	80	85	"	"	0		"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

690



Commander Winfield Pitt Phelps  
Monday October 15<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast. Equally. Heavy rain during watch. Light breeze from S.E. and W. increasing to strong breeze and shifting to N.W. At 12.45 set topgallant sails.

(Signed) Samuel C. Remy  
Ensign.

From 4 to 8 A.M. Overcast with heavy rain squalls first hour. Fresh breeze from N.W. latter part. At 4.20 took in topgallant sails, main sail and spranger. At 7.30 set them.

(Signed) Charles B. T. Moore  
Ensign.

From 8 to 11 A.M. Cloudy and warm. Moderate breeze from S.E. and W. At 9 changed course to S.E. by S. At 9.30 mustered at quarters. Barracks falling slowly. By order of Commanding Officer, Gunn (Kilmer (Pa)) was paid Ship's Tailor from the 8<sup>th</sup> inst. inclusive.

(Signed) James K. Cogswell  
Lieut.

From 11 A.M. to 1 P.M. Overcast, equally and rainy. Wind fresh from S.E. and W. Fluctuated and made sail at occasion required. At 2.30 struck by squall from E. by S. hauled round, took in topgallant sails and clewed down topsails. Barracks rising slowly.

(Signed) Clinton H. Curtis  
Lieut.

From 4 to 6 P.M. Overcast. Pleasant. Light E. by breeze. Sun, Moon, clouds. At 5.45 mustered at quarters.

(Signed) Samuel C. Remy  
Ensign.

From 6 to 8 P.M. Overcast with drizzling rain. Light variable air.

(Signed) Charles B. T. Moore  
Ensign.

From 8 to Midnight. Overcast and pleasant. Light air from N.E. and W. Obscured Moonlight. Long swell from S.E.

(Signed) James K. Cogswell  
Lieut.

(Signed) Asa Walburn  
Lieut.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Current, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1			No Stowage way	Calm	0	29.84	81	84	81	85	09	Current 1	1	
2			"	"	0	29.83	81	84	80	85	10	"	1	
3	1	0	"	"	1	29.83	81	84	80	85	"	"	1	
4	1	4	"	"	12	29.83	81	84	80	85	"	"	2	
5	2	4	"	"	2	29.83	81	84	80	85	10	"	5	
6	3	4	"	"	3	29.84	81	83	81	85	"	"	6	
7	5	4	"	"	3	29.85	81	84	81	85	"	"	5	
8	6	4	"	"	4	29.87	81	83	81	85	"	"	3	
9	3	2	"	"	4	29.88	81	84	81	85	"	"	4	
10	6	6	"	"	4	29.88	82	84	81	85	"	"	3	
11	6	4	"	"	3	29.87	82	84	81	85	"	"	4	
Noon.	5	2	"	"	3	29.85	82	84	81	85	"	"	3	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 4 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

82 knots 6 fathoms.

9.15.00 W.

16.57.00 W.

9.05.25 W.

16.47.30 W.

22.30.00 W.

250 gallons.

1600 "

1 tons 310 lbs.

187 " 2065 "

P. M.														
1	4	6	"	"	3	29.83	82	83	80	85	10	Current 1	1	
2	4	0	"	"	3 1/4	29.78	82	83	80	85	"	"	1	
3	3	0	"	"	2 1/4	29.78	82	83	80	85	"	"	1	
4	1	4	"	"	1	29.78	82	83	80	85	"	"	1	
5	1	0	"	"	1	29.80	82	84	81	85	"	"	1	
6	1	0	"	"	1	29.80	82	84	81	85	"	"	2	
7	No Stowage way		"	"	1	29.85	82	84	81	85	"	"	3	
8	"		"	"	0	29.85	82	84	81	85	"	"	4	
9	"		"	"	0	29.86	82	84	81	85	"	"	6	
10	"		"	"	0	29.87	82	84	81	85	"	"	4	
11	0	4	"	"	1	29.87	82	84	81	85	"	"	5	
Mid.	0	4	"	"	1	29.86	82	84	81	85	"	"	6	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Phelps  
Tuesday October 16<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast - Light variable air - Squally  
around horizon - At 4.00 squared away and took in mainsail - Barometer falling  
slowly -

(Signed) Clinton K. Smith  
Lieut.

From 4 to 8 A.M. Clear - Pleasant - Light breeze from N<sup>W</sup> and W<sup>N</sup> shifting to N.E.  
at end of watch - At 6.30 let lee clew of mainsail - At 6.45 let royals -  
At 7.15 let sprinker, gaff topsail and weather clew of mainsail -

(Signed) Samuel G. Lundy  
Ensign.

From 8 to Midnight. Cloudy, pleasant - Moderate breeze from E.N.E. At 8.40  
changed course to S.E. 1/2 E. At 9.15 inspected at quarters - Barometer falling  
slowly -

(Signed) Charles B. T. Moore  
Ensign.

From Midnight to 4 P.M. Cloudy and warm - Gentle breeze from N<sup>W</sup> and E<sup>W</sup> -  
At 2 took down reef in mainsail - At 3.40 started fire in two boilers - Barometer  
falling slowly -

(Signed) James K. Cogswell  
Lieut.

From 4 to 6 P.M. Cloudy - Pleasant - Light variable air - Barometer steady -  
Started distilling at 5 - At 5.45 mustered at quarters -

(Signed) Clinton K. Smith  
Lieut.

From 6 to 8 P.M. Partially clear - Variable air - At 6.15 cleared reef royals -  
At 6.30 caught aback, hove her off on starboard tack - At 7.15 hauled  
up course - Fire hauled in two boilers - Steam pressure 30 lbs - Distilling -

(Signed) Samuel G. Lundy  
Ensign.

From 8 to Midnight - Cloudy - Pleasant - Calm, and light variable air -  
At 8.45 caught aback, hauled around, let course, royals and sprinker -  
Fire hauled in two boilers - Distilling -

(Signed) Charles B. T. Moore  
Ensign.

(Signed) Asa Warner  
Lieut.



Steamer

Expy

At Sea.

3<sup>rd</sup>

Rate,

6

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Breed of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	4		P.E. 1/2 S	W.H.W.	1	29.87	81	83	82	85	bc	Cloudy	7		Fit. F.T.M.S.S.
2	2 0		"	H.E.	3	29.87	81	83	82	85	of	"	0		Topsails.
3	2 0		"	W.	1	29.82	81	83	80	85	0	"	0		"
4	No Steady wind		Calin		0	29.81	81	83	80	85	"	"	0		"
5	0 4		P. by W.	P.E. 1/2 E	3	29.83	82	81	78	85	bcg	"	2		"
6	1 4		"	E.S.E.	1	29.83	82	81	80	85	ogt	"	0		"
7	4		P.E.	W.	1	29.82	80	81	81	85	bcg	"	4		"
8	1 0		P.E. 1/2 S	W.	1	29.84	80	81	81	85	bcg	"	5		"
9	1 6		"	H.W.	1	29.86	80	82	81	85	bc	"	4		"
10	1 0		"	"	1	29.85	83	83	80	85	"	"	5		"
11	4		"	"	1	29.85	83	83	82	85	"	"	5		"
Noon.	1 4		"	W.S.W.	1	29.83	83	85	83	85	"	"	5		Heaving four miles

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

29 knots 0 fathoms.

8.47.00 H.

16.26.00 W.

8.39.00 H.

16.32.00 W.

21.30.00 W.

230 gallons.

700 "

11700 "

5 tons 1830 lbs.

184 " 1235 "

P. M.																
1	7 0	P.E.	H.E.	3	29.81	82	81	81	85	or	Cloudy	0	P	Fit. F.T.M.S.S.		
2	18 2	"	P.E. 1/2 E	24	29.80	82	80	78	85	org	"	0	"	Main top sail and		
3	8 4	"	E.	1	29.79	82	80	78	85	or	"	0	"	Spanker		
4	8 0	"	H.E.	1	29.78	81	81	79	85	bcg	"	0	"			
5	7 2	"	"	1	29.78	81	82	79	85	0	"	2	"			
6	7 0	"	"	1	29.75	81	82	79	85	bc	"	0	"			
7	6 4	"	E. by N.	1	29.85	82	82	78	85	"	"	1	"			
8	7 0	"	"	2	29.85	80	82	78	85	"	"	2	"			
9	6 6	"	"	3	29.85	78	82	78	85	or	"	2	"			
10	8 0	"	"	3	29.87	78	82	78	85	"	"	0	"			
11	8 0	"	"	3	29.85	78	82	78	85	of	"	0	"			
Mid.	6 0	"	"	3	29.85	78	82	78	85	"	"	0	"			

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commodore Winfield Scott Phelps  
Wednesday October 17<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Light variable air - Falling barometer. At 12 took in royals and came to a squall.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy - Raining - Squally - Light variable air - Heaved around at 4.45 and 7.30 - Barometer rising slowly - Fire tamped in two boilers - Distilling -

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Noon. Partially clear - Warm - Light W. by air. At 8.15 set gaff topsail and royals. At 9.15 inspected at quarter. At 10 started fire in two boilers. Hauled up mainsail. At 11 took in spanker and gaff topsail. At 11.30 took in royals. At 11.35 shortened and furlled sail and sent down light yards. At 11.45 started ahead under steam in four boilers. At 11.25 stopped distilling. At 12 changed course to S.E. Steam pressure 40 lbs. - Revolutions 33.

(Signed) Samuel C. Rumbly  
Ensign.

From Noon to 4 P.M. Forecast, with heavy rain. Squall. Light variable breeze. Steaming with four boilers. At 12.50 set jib, fore topsail, stay sail, main try sail and spanker. Steam pressure 55 lbs. - Revolutions 46.

(Signed) Charles J. T. Moore  
Ensign.

From 4 to 6 P.M. Cloudy and pleasant. Light air from N.W. and E. At 5.50 hauled up at quarter. Steaming with four boilers. Steam pressure 55 lbs. - Revolutions 44.

(Signed) James K. Cogswell  
Lieut.

From 6 to 8 P.M. Cloudy - Pleasant. Light breeze from N.W. and E. Took in all fore and aft sail except main try sail. At 6 got cast of deep sea lead, no bottom at 100 fathoms. Steaming four boilers. Steam pressure 60 lbs. - Revolutions 47.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Forecast. Raining. Moderate breeze from S.W. At 9.30 set all fore and aft sail except gaff topsail. At 11 stopped engine and got cast of deep sea lead, no bottom at 120 fathoms. At 11.20 started ahead on corner. Steam in four boilers. Steam pressure 65 lbs. - Revolutions 42.

(Signed) Samuel C. Rumbly  
Ensign.

Examined and found to be correct.

(Signed) Aea Walper  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "E. E. E."

At Sea, 5<sup>th</sup> Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clouds, by symbols.	State of the Sea.	Board of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	8 2		P. E.	S.	3	29.82	78	82	81	84	od	0	0	0	Fit. F. T. W. S. of
2	7 4		"	"	2 4	29.80	79	82	80	84	od	0	0	0	Wet sail & spruce
3	7 4		"	"	3	29.78	79	81	79	84	od	0	0	0	"
4	6 0		"	"	3	29.78	79	81	79	84	"	0	0	0	"
5	7 6		"	"	4	29.80	79	82	80	84	bc	0	3	0	W. Tame. with spruce
6	7 2		"	S. W.	4	29.81	79	82	80	84	"	0	1	0	and four sail.
7	8 0		"	"	5	29.81	79	82	80	83	bc	0	2	0	"
8	8 2		"	"	5	29.81	79	82	80	83	bc	0	6	0	"
9	6 0		"	"	4	29.85	79	82	80	83	"	0	2	0	"
10	4 0		P. E. 1/2 S.	"	4	29.85	80	82	80	83	bc	0	2	0	"
11	5 4		P. E. 1/2 S.	"	3	29.83	80	82	80	83	bc	0	0	0	"
Noon.	4 0		"	"	3	29.83	80	82	80	83	"	0	0	0	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 7 fms. per hour, setting to the N. 37° E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7-30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

168 knots 2 fathoms.  
 7. 19.00. H.  
 14. 08.00. W.  
 7. 34.48. H.  
 43. 51.00. W.  
 21. 40.00. W.  
 230 gallons.  
 1470 "  
 8 tons 370 lbs.  
 175 " 2105 "

P. M.																
1	5	0	P. E. 1/2 S.	S. W.	4.8	29.83	80	82	81	83	0/9	0	0	0	0	Double reefed topsail
2	4	4	P. E. 1/2 S.	"	4.8	29.80	79	82	80	83	"	"	0	0	0	fore sail, W. T. sail,
3	8	0	"	"	5.8	29.79	79	82	81	83	"	"	0	0	0	for topsail W. T. sail.
4	5	0	P. E. 1/2 S.	"	4.7	29.78	79	82	81	83	"	"	0	0	0	"
5	8	0	P. E. 1/2 S.	"	5.7	29.79	82	80	79	83	"	"	0	0	0	"
6	8	0	"	"	4.6	29.81	82	81	78	83	0/9	"	0	0	0	"
7	7	0	P. E.	S. W.	4	29.87	80	82	80	83	0/9	"	0	0	0	"
8	7	0	"	"	4	29.86	80	82	80	83	"	"	0	0	0	"
9	6	0	"	S. by W.	1.3	29.88	80	80	77	83	"	"	0	0	0	"
10	6	0	"	"	1.2	29.90	80	80	77	83	0/9	"	0	0	0	"
11	6	4	"	S. W.	2.4	29.89	80	80	77	83	"	"	0	0	0	Main top sail and
Mid.	7	0	"	"	4	29.86	80	80	77	83	0/9	"	0	0	0	spruce -

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Schley  
Thursday October 18<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast, squally, rainy. Moderate breeze from S.W. Steaming with four boilers. At 3 stoppered engine, got cast of deep sea lead. No bottom at 95 fathoms. Steam pressure 55 lb. Revolutions 43.  
(Signed) Charles Z. F. Moore Ensign.

From 4 to 8 A.M. Cloudy and pleasant. Fresh breeze from S.W. Passing showers of rain. At 5-30 let fore sail. At 8 let topsail, covered top gallant yards. Steaming with four boilers. Steam pressure 62 lb. Revolutions 44. At 5 got cast of lead, no bottom at 110 fathoms.  
(Signed) James R. Cogswell Lieut.

From 8 to 11 A.M. Cloudy, with frequent rain squalls. Wind fresh from S.W. At 8-30 let top gallant sail. Disconnected propeller and hauled fine. At 10 hauled aback and got cast of lead in 49 fathoms, bottom, black sand. Got cast of lead at 11 and 12, bottom, black sand and mud, with fine shells. Changed course at 10, to S.E. 1/2 E. Steam pressure 25 lb. Distiller in operation.  
(Signed) Clinton K. Curtis Lieut.

From 11 A.M. to 4 P.M. Overcast. Rainy. Strong breeze, with heavy squalls, from S.W. At 12-50 spread fine. At 1-55 started ahead. Took in light sails. At 1-25 changed course to S.E. 1/2 E. At 3-30 took two separate reefs in topsail and hauled down fit. Got three casts of lead during watch in from 35 to 42 fathoms water. Fine sand. Steaming under four boilers. Steam pressure 60 lb. Revolutions 49.  
(Signed) Samuel C. Lundy Ensign.

From 4 to 6 P.M. Overcast, squally, rainy. Strong breeze from S.W. Steaming with four boilers. At 5 and 6 stoppered engine and got cast of deep sea lead. Bottom at 50 fathoms, white sand, and no bottom at 60 fathoms.  
(Signed) Charles Z. F. Moore Ensign.

From 6 to 8 P.M. Overcast and squally. Light breeze from S.W. and W. S.W. from S.W. At 8 got cast of lead in 60 fathoms, no bottom. At 6 changed course to S.E. Steaming with four boilers. Steam pressure 60 lb. Revolutions 45.  
(Signed) James R. Cogswell Lieut.

From 8 to Midnight. Cloudy and squally. Passing showers. Wind light during first part, but increasing to fresh breeze from S.W. and W. S.W. At 8-30 took in and put up topsail and fore sail. Got cast of lead at 10, no bottom at 90 fathoms. At 12, again got cast of lead, no bottom at 120 fathoms. Steam pressure 60 lb. Revolutions 49.  
(Signed) Clinton K. Curtis Lieut.

Examined and found to be correct.

(Signed) Alva Walpole Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sky, by symbols.	State of the Sea.	Reckrd of the mile the vessel is under at end of watch.
				Direction.	Force.		Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.														
1	6	2	P.E.	S.W.	35	29.85	80	81	79	83	bc	lg	3	Foremast and fore
2	7	4	"	"	35	29.84	80	81	79	83	"	"	2	and aft mast, flying
3	6	0	"	"	34	29.82	80	81	79	83	bc	"	1	flag and gaff tops
4	6	0	"	"	34	29.82	80	82	79	83	bc	"	0	"
5	7	0	"	"	4	29.82	80	82	80	83	"	"	0	All plain sail, flying
6	7	0	"	"	4	29.84	81	83	81	83	"	"	0	royal, flying, etc.
7	7	4	S.E. by E.	"	4	29.87	81	83	81	83	bc	"	1	about mainmast -
8	8	0	"	"	3	29.90	81	83	81	83	"	"	2	"
9	8	2	"	"	4	29.92	81	83	82	83	"	"	2	"
10	8	4	S.E. by E. by E.	"	4	29.93	82	84	83	83	"	"	4	"
11	10	0	"	"	4	29.90	82	85	83	83	"	"	3	"
Noon.	7	0	"	"	4	29.89	82	85	83	83	"	"	4	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 4 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

171 knots 4 fathoms.

6. 18. 30. H.

11. 19. 00. W.

6. 31. 16. H.

11. 12. 30. H.

N. 27° E.

169

250 gallons.

"

1220 "

7 tons 1120 lbs.

168. 985 "

P. M.	5	2	S.E. by E.	S.W.	4	29.87	82	85	82	83	bc	lg	5	Steaming -
1	5	2	S.E. by E.	S.W.	4	29.87	82	85	82	83	bc	lg	5	Steaming -
2	9	0	"	"	3.4	29.84	83	85	83	83	"	"	7	"
3	Steaming in to	"	"	"	3	29.84	83	86	83	"	"	"	7	"
4	Monrovia	"	"	"	2	29.85	83	86	83	"	"	"	7	"
5	At Anchor	"	"	"	2	29.85	83	86	83	"	"	"	6	"
6	"	"	"	"	2	29.84	83	85	82	"	"	"	7	"
7	"	"	"	"	2	29.83	82	84	81	"	"	"	7	"
8	"	"	"	"	2	29.87	82	84	81	"	"	"	7	"
9	"	"	"	"	2	29.92	81	84	81	"	"	"	2	"
10	"	"	"	"	2	29.92	81	84	81	"	"	"	5	"
11	"	"	"	"	2	29.92	81	84	81	"	"	"	7	"
Mid.	"	"	"	"	2	29.90	81	84	81	"	"	"	8	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Phelps  
Friday October 19<sup>th</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy - Thunder Monlight - Passing clouds - Fresh breeze, with squalls, from S.E.W. At 12-15 set sail, and at 12-30 set foreail - At 2 got cast of deep sea lead, no bottom, at 60 fathoms - At 4 got cast of deep sea lead, no bottom at 60 fathoms - Steaming with four boilers - Steam pressure 55 lb. - Revolutions 41 -

(Signed) Samuel C. Remley Ensign.

From 4 to 8 A.M. Breeze, pleasant - Moderate breeze from S.E.W. - Steaming with four boilers - At 6 sighted land on port bow - Changed course to S.E. & E. At 7-40 struck rope out of topsails and set main - Steam pressure 55 lb. - Revolutions 44 - Barometer rising -

(Signed) Charles F. T. Merry Ensign.

From 8 to Noon, Cloudy and pleasant - Moderate breeze from S.E.W. At 9 changed course to S.E. & E. At 9-15 rounded first alarm - Time casting took 1 minute - Decided in 2<sup>nd</sup> 40<sup>th</sup> - Afterwards inspected at quarter - At 10 set topsails and main - At 11 got cast of lead in 35 fathoms water, muddy bottom - Steaming with four boilers - Steam pressure 64 lb. - Revolutions 44 -

(Signed) James K. Cogswell Ensign.

From Noon to 4 P.M. Clear and pleasant - Moderate breeze from S.E. and W. At 12-30 changed course to S.E. & E. At 2 called all hands shorten sail, took in and furled the square sails - At 2-30 called all hands bring ship to an anchor - At 2-35 took in and furled all fore and aft sail - At 2-50 came to off Monrovia with fore anchor in 7 1/2 fathoms water, veering to 45 fathoms first chain - Draught forward 14 feet 1<sup>1/2</sup> in. Amidships 15 feet - Aft 15 feet - Steam pressure 50 lb. - Fuel tanked in two boilers - At Home one (100) S.E. distant 3/4 mile.

(Signed) Clinton K. Curtis Ensign.

From 4 to 8 P.M. Partly cloudy - Warm - Moderate W. breeze - Granular clouds - At 5 hauled fire in two boilers and lowered smoke pipe - At 5-25 started distiller - Fire tanked in two boilers - Steam pressure 25 lb. - Distilling -

(Signed) Samuel C. Remley Ensign.

From 8 to Midnight - Cloudy and pleasant - Light air from S.E. and W. Well from S.W. - Fuel tanked in two boilers - Steam pressure 25 lb. - Distilling -

(Signed) James K. Cogswell Ensign.

Examined and found to be correct.

(Signed) Ora Walpus Ensign.

Navigator.



Rear

Exp.

Monrovia, Liberia

Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometre.	TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1				W. P. W.	1		29.86	81	83	81	bc	Cum	2	
2				"	1		29.86	81	83	81	"	"	2	
3				"	1		29.84	80	83	81	"	"	4	
4				"	1		29.83	81	83	81	"	"	4	
5				Variable	1		29.87	79	80	80	"	Cum. Mist	6	
6				"	1		29.87	78	81	81	"	"	2	
7				"	1		29.88	79	81	81	"	"	3	
8				"	1		29.89	79	82	81	"	"	3	
9				"	1		29.90	80	83	82	"	"	2	
10				"	2		29.91	81	83	82	"	"	3	
11				"	2		29.91	82	84	82	"	"	2	
Noon.				"	2		29.89	82	84	82	"	"	3	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at 9 A.M.

22° 00' 00" W

Water expended during the preceding 24 hours

230 gallons.

Water consumed during the preceding 24 hours

600 "

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

1 tons 1490 lbs.

Coal remaining on hand at Noon

166 " 1735 "

P. M.														
1				P. W.	2		29.84	82	84	82	bc	Cum. Mist	6	
2				"	2		29.83	83	86	84	"	"	4	
3				"	2		29.82	84	88	85	"	"	5	
4				"	2		29.80	84	87	85	"	"	5	
5				"	2		29.82	84	86	85	"	"	5	
6				"	2		29.84	83	86	84	"	"	4	
7				"	2		29.86	83	85	84	"	"	4	
8				"	2		29.88	83	84	82	"	"	4	
9				"	2		29.90	83	84	82	"	Cum.	4	
10				"	2		29.91	83	84	83	"	"	5	
11				"	2		29.89	83	84	83	"	"	3	
Mid.				"	2		29.87	82	83	80	"	"	4	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



Under the command of

Commander Winfield Scott Schley  
Saturday October 20<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Pleasant - Light air from S<sup>d</sup> and W<sup>d</sup> - Barometer falling slowly - Steam Wornlight - (Signed) Clinton K. Gault  
Lieut.

From 4 to 8 A.M. Partially cloudy - Pleasant - Calm - Fire tanked in two boilers - Steam pressure 25 lbs. Distilling - (Signed) Samuel G. Leedy  
Ensign

From 8 to Merid. Cloudy, pleasant - Light breeze from S<sup>d</sup> and W<sup>d</sup> - Aired bedding - Fire tanked in two boilers - Steam pressure 25 lbs. Distilling - (Signed) Charles F. T. Moore  
Ensign

From Merid. to 4 P.M. Cloudy and warm - Light air from S.W. - Fire tanked in two boilers - Steam pressure 25 lbs. Distilling - (Signed) James K. Cogswell  
Lieut.

From 4 to 8 P.M. Cloudy and pleasant - Light breeze from S<sup>d</sup> and W<sup>d</sup> - Fire tanked in two boilers - Steam pressure 25 lbs. Distilled in operation - (Signed) Clinton K. Gault  
Lieut.

From 8 to Midnight - Cloudy, pleasant - Bright moonlight - Light breeze from S<sup>d</sup> and W<sup>d</sup> shifting to N.W. and W<sup>d</sup> - Fire tanked in two boilers - Steam pressure 25 lbs. Distilling - (Signed) Charles F. T. Moore  
Ensign

Examined and found to be correct.

(Signed) Aea Walker  
Lieut.

Navigator.



Steamer

"Eppie"

Monrovia, Liberia

Rate,

6

Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under way at end of watch.
				Direction.	Force.	Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>S. W.</i>	3	29.85	83	84	83		<i>o/v</i>	<i>Summist</i>	0		
1				"	3	29.83	83	84	83		"	"	0		
2				"	3	29.83	83	85	80		"	"	0		
3				"	3	29.83	83	83	80		"	"	0		
4				<i>S. S. W.</i>	2	29.83	83	83	80		<i>bc</i>	<i>Summist</i>	2		
5				"	2	29.85	83	83	81		"	"	3		
6				"	2	29.85	82	83	82		"	"	3		
7				"	2	29.89	81	84	82		"	<i>Summist</i>	3		
8				"	2	29.91	81	84	82		"	"	1		
9				"	2	29.91	82	84	82		"	"	2		
10				"	3	29.89	82	85	82		"	"	3		
11				"	3	29.87	82	85	83		"	"	1		
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

230 gallons.

Water *Grounded* during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

1 tons 1050 lbs.

Coal remaining on hand at Noon

165 " 685 "

P. M.															
1				<i>S. W.</i>	3	29.85	82	85	83		<i>o/v</i>	<i>Summist</i>	0		
2				"	3	29.82	84	86	83		<i>bc</i>	"	3		
3				"	3	29.82	84	86	84		"	"	4		
4				"	2	29.83	84	87	84		"	"	5		
5				"	2	29.83	85	87	83		"	"	3		
6				"	2	29.84	85	86	83		"	"	2		
7				"	2	29.86	82	86	83		"	"	0		
8				"	2	29.86	82	85	82		<i>bc</i>	"	1		
9				"	2	29.83	81	84	81		"	"	3		
10				"	2	29.81	81	83	81		"	"	3		
11				"	2	29.80	81	83	81		"	"	2		
Mid.				"	2	29.80	81	83	81		"	"	3		

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



Commander Winfield Scott Peck  
Friday October 2<sup>nd</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Breeze and pleasant. Light breeze from S.W. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) James K. Cogswell

From 4 to 8 A.M. Cloudy and pleasant. Light breeze from S.W. Passing shower last hour. Parabolic firing. Fire tanked in two trials. Distilling in operation. Average pressure 25 lbs.

(Signed) Clinton K. Curtis

From 8 to Midnight, Partially clear. Passing shower. Sun, thin clouds. Moderate S.W. breeze. At 9.30 Commanding Officer inspected ship and crew at quarters, and immediately afterward read prayer. Fire tanked in two trials. Steam pressure 25 lbs. Distilling. Ship rolling heavily.

(Signed) Samuel C. Lundy

From Midnight to 4 P.M. Cloudy, warm. Passing shower first hour. Light breeze from S.W. Fire tanked in two trials. Steam pressure 25 lbs. Distilling in operation.

(Signed) Charles B. T. Moore

From 4 to 8 P.M. Cloudy and pleasant. Light breeze from S.W.

(Signed) James K. Cogswell

From 8 to Midnight, Partially clear. Pleasant. Light S.W. breeze. Sun, thin clouds. Fire tanked in two trials. Distilling. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy

(Signed) Alva Walpole



Steamer

Essex

Monrovia, Liberia

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETRE.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				N. E.	2		29.82	82	80	78		or	Thin	0		
1				N. E. & N.	2		29.84	82	80	78		"	Clouds	0		
2				N. E.	2		29.85	82	80	78		o/p	"	0		
3				"	1		29.86	82	80	78		or	"	0		
4				E.	1		29.87	80	80	78		0	"	0		
5				"	1		29.88	78	79	78		"	"	0		
6				"	1		29.91	78	79	78		"	"	0		
7				Calms	0		29.91	78	79	78		"	"	0		
8				"	0		29.93	78	79	78		or	"	0		
9				"	0		29.95	78	80	79		"	"	0		
10				"	0		29.95	78	80	79		"	"	0		
11				"	0		29.95	79	81	79		o/p	"	0		
Noon.				S. E. W.	1		29.90	80	83	80		"	"	0		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

500 "

Water remaining on hand fit for use at Noon

2670 "

Coal consumed during the preceding 24 hours

tons 1130 lbs.

Coal remaining on hand at Noon

164 " 1795 "

P. M.																
1				Poultie	1		29.88	80	83	80		be	Thin	1		
2				"	1		29.86	80	83	81		"	"	1		
3				S. W.	1		29.86	80	83	81		"	"	2		
4				"	1		29.86	80	83	81		be	"	3		
5				"	1		29.87	80	83	81		"	"	2		
6				"	1		29.88	80	82	80		"	"	2		
7				Calms	0		29.90	80	82	80		"	"	2		
8				N. E.	1		29.91	80	82	80		"	"	4		
9				"	1		29.91	80	82	80		"	"	4		
10				"	1		29.91	80	81	80		"	"	4		
11				"	1		29.93	80	81	79		be	"	4		
Mid.				"	1		29.93	80	80	78		"	"	4		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Peley  
Monday October 22<sup>nd</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast - Rainy - Light breeze from N<sup>th</sup> and E<sup>th</sup>. Five barrels in two trials - Steam pressure 25 lbs. Distilling -

(Signed) Charles B. F. Moore

From 4 to 8 A.M. Cloudy and pleasant - Light air from E<sup>th</sup>. At 5.50 hauled five in two trials -

(Signed) James K. Cogswell

From 8 to Noon, Cloudy - Calm and light air from S. E. W. Frequent passing showers - At Meridian fired a salute of 21 guns, with Libian Ensign at the Fore - Salute returned by battery on shore, gun for gun -

(Signed) Clinton K. Curtis

From Noon to 4 P.M. Cloudy - Passing showers - Light air from S<sup>th</sup> and W<sup>th</sup>. Lighted steamer standing in from N<sup>th</sup> and W<sup>th</sup> -

(Signed) Samuel C. Rely

From 4 to 8 P.M. Cloudy and pleasant - Light variable air and calm - At 5.20 an English steamer, the "Ethiopia", came in and anchored -

(Signed) Charles B. F. Moore

From 8 to Midnight - Cloudy, with light showers latter part - Barometer rising slowly - At 10 English Mail Steamer "Ethiopia" left the harbor -

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Aca Watson

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				<i>P.W.</i>	2		29.90	78	80	78	<i>bc</i>	<i>Sum</i>			
2				<i>S.W.</i>	2		29.90	78	80	78	<i>orc</i>	"	0		
3				<i>S.W.</i>	2		29.89	78	82	79	"	"	0		
4				"	2		29.89	78	82	79	<i>bc</i>	"	1		
5				<i>Calms</i>	0		29.91	79	82	80	<i>or</i>	"	0		
6				<i>N.E.</i>	1		29.95	79	82	80	<i>o/p</i>	"	0		
7				"	1		29.94	79	82	80	<i>od</i>	"	0		
8				<i>Calms</i>	0		29.96	79	82	80	0	"	0		
9				<i>N.W.</i>	1		29.97	80	82	81	"	"	0		
10				<i>S.W.</i>	1		29.97	80	82	81	"	"	0		
11				"	1		29.95	80	82	81	<i>bc</i>	"	1		
Noon.				"	1		29.91	81	85	81	"	"	2		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

1650 tons lbs.

Coal remaining on hand at Noon

164 " 145 "

P. M.															
1				<i>P.W.</i>	1		29.88	81	83	81	<i>bc</i>	<i>Sum</i>	3		
2				"	1.2		29.85	81	84	82	"	"	3		
3				"	1.2		29.85	81	84	82	"	<i>Sum</i>	2		
4				"	1.2		29.84	81	84	81	"	"	2		
5				"	1		29.85	81	84	81	"	"	1		
6				"	1		29.89	81	84	81	"	"	5		
7				"	1		29.89	81	83	81	"	"	3		
8				"	1		29.91	81	83	81	<i>bc</i>	"	4		
9				<i>N.</i>	1		29.93	81	83	81	<i>bc</i>	"	4		
10				"	1		29.94	81	83	80	0	"	0		
11				"	1		29.95	81	83	80	"	"	0		
Mid.				"	1		29.95	81	82	80	<i>bc</i>	"	1		

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

" " "



Under the command of

Commander Winfield Scott Schley  
Tuesday October 23<sup>rd</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and gentle 4 A.M. Breeze - (Rain) Light P.W. breeze -  
Sun, mist, clouds - Lightning to N<sup>th</sup> and W<sup>th</sup>.  
(Signed) Samuel C. Lundy  
Ensign

From 4 to 8 A.M. Breeze - (Rain) Light air from N.E. and calm -  
(Signed) Charles B. T. Moore  
Ensign

From 8 to Midnight, Cloudy and pleasant - Light S.W. air - At 9 hoisted  
sail. At 9-30 inspected at quarters - Dined out morning room to crew -  
(Signed) James K. Cogswell  
Lieut.

From Midnight to 4 P.M. Cloudy - Pleasant - Light breeze from P.W.  
Barometer falling slowly - At 1.40 shortened and at 1.45 furled sail -  
Commanding Officer and staff paid official visit to authorities ashore -  
(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 P.M. Partially clear, Pleasant - Light P.W. fair breeze -  
Sun, mist, clouds - Passing showed last hour - At 4-45 German bark "Karl"  
got underway and stood out to N<sup>th</sup> and E<sup>th</sup>, displaying colors to this ship in  
passing, which salute we returned -  
(Signed) Samuel C. Lundy  
Ensign

From 8 to Midnight, Cloudy and pleasant - Light air from W<sup>th</sup> -  
Obscured moonlight -  
(Signed) James K. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Aca Wafer  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. strd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				W.	1		29.92	80	81	79		0	Cumulus	0		
2				"	1		29.88	80	81	80		0r	"	0		
3				"	1		29.87	80	82	80		0 1/2	"	0		
4				"	1		29.85	80	82	80		6c	"	0		
5				H.	1		29.87	80	82	80		"	"	1		
6					1		29.89	79	81	80		"	"	1		
7				N.E.	1		29.91	79	81	79		"	"	1		
8				"	1		29.93	79	81	79		"	"	1		
9				Calms	0		29.95	80	82	80		"	"	3		
10				H. H. W.	0.1		29.92	80	83	81		"	"	4		
11				"	0.1		29.92	82	83	81		"	"	3		
Noon.				H. W.	1		29.89	82	83	81		0 1/2	"	0		

Distance run by Log since preceeding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceeding 24 hours

250 gallons.

Water during the preceeding 24 hours

"

Water remaining on hand fit for use at Noon

2150 "

Coal consumed during the preceeding 24 hours

tons 470 lbs.

Coal remaining on hand at Noon

163 " 1915 "

P. M.																
1				W.	1		29.89	82	83	81		0 1/2	Cumulus	0		
2				"	1		29.85	82	83	83		0	"	0		
3				"	1		29.83	82	83	83		"	"	0		
4				"	1		29.82	82	83	82		6c	"	1		
5				"	1		29.83	83	84	82		"	"	1		
6				D. W.	1		29.84	83	84	82		"	"	1		
7				H. H. W.	1		29.87	82	86	81		"	"	1		
8				H. W. H.	1		29.88	82	86	81		"	"	1		
9				H. E.	1		29.90	82	84	81		"	"	1		
10				D. W.	1		29.93	82	83	81		"	"	3		
11				"	1		29.92	82	83	81		"	"	2		
Mid.				"	1		29.91	82	83	81		6c 1/2	"	2		

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



Commander Winfield Scott Phelps  
Wednesday October 24<sup>th</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Rainy second two hours - Obscured moonlight - Barometer falling - Light air from W<sup>st</sup>.

(Signed) Clinton K. Curtis, <sup>Lieut.</sup>

From 4 to 8 A.M. Partially clear - Pleasant - Calm, and light variable air - Cum, thin, clouds -

(Signed) Samuel C. Lundy, <sup>Ensign.</sup>

From 8 to 12 Mids., Cloudy - Pleasant first part - Passing shower last hour - Light variable fair and calm - At 9-15 inspected at quarters - Comdrant A. - exercised at target practice with rifle -

(Signed) Charles J. T. Moore, <sup>Ensign.</sup>

From 12 to 4 P.M. Cloudy and pleasant - Light air from W<sup>st</sup>. - Inspected Co. B and Marine Guard at target practice - By order of Commanding Officer, the following O.P.L. were posted O.P. from Oct 1<sup>st</sup> inclusive, viz: F. W. L. Gray, D. C. Smith - James H. Weepie - F. W. Wolfenberger and Philip Hazard -

(Signed) James K. Cogswell, <sup>Lieut.</sup>

From 4 to 8 P.M. Weather pleasant - Light breeze from S<sup>st</sup> and W<sup>st</sup> - Lightning to H. by E. Barometer rising - Went to quarters at 6, and showed out clean hammock -

(Signed) Clinton K. Curtis, <sup>Lieut.</sup>

From 8 to Midnight - Cloudy - Pleasant - Passing shower last hour - Light air from S<sup>st</sup> and W<sup>st</sup> - Obscured moonlight -

(Signed) Charles J. T. Moore, <sup>Ensign.</sup>

(Signed) Ada Walker, <sup>Lieut.</sup>



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4 ft.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>Calms</i>	0		29.81	81	83	80		<i>bc</i>	<i>Cumulus</i>	1		<i>P</i>
1				<i>S. S. E.</i>	2		29.85	81	83	80		0	"	0	"	
2				<i>S.</i>	2		29.86	81	83	80		<i>orlt</i>	"	0	"	
3				<i>S. W.</i>	2		29.86	81	83	80		<i>or</i>	"	0	"	
4				<i>S. and W.</i>	1		29.87	81	83	80		0	"	0	"	
5					1		29.88	81	83	80		"	"	0	"	
6				<i>Calms</i>	0		29.89	81	82	80		"	"	0	"	
7				<i>S. S.</i>	1		29.90	81	82	80		<i>bc</i>	"	0	"	
8				<i>Calms</i>	0		29.93	79	81	79		<i>or</i>	"	0	"	
9				"	0		29.95	78	80	78		"	"	0	"	
10				"	0		29.98	79	80	79		"	"	0	"	
11				<i>S.</i>	1		29.91	79	81	80		"	"	0	"	
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1860 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

168 " 1665 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at 4 ft.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1				<i>W. S. W.</i>	1		29.90	80	82	80		0	<i>Cumulus</i>	0		<i>P</i>
2				<i>S. W.</i>	1		29.88	80	83	80		"	"	0	"	
3				<i>S. W.</i>	1		29.86	80	82	80		<i>or</i>	"	0	"	
4				<i>S. S. E.</i>	1		29.86	80	82	80		"	"	0	"	
5				<i>Calms</i>	0		29.86	80	82	80		0	"	0	"	
6				<i>S. S. E.</i>	2		29.86	80	82	79		"	"	0	"	
7				"	1		29.87	80	81	78		"	"	0	"	
8				<i>S. W.</i>	2		29.87	80	80	78		"	"	0	"	
9				<i>S. S. E.</i>	2		29.91	80	80	78		<i>bc</i>	"	3	"	
10				<i>S.</i>	2		29.92	78	79	78		"	"	6	"	
11				"	2		29.91	78	79	78		"	"	6	"	
Mid.				"	2		29.90	79	79	78		"	"	5	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Peley  
Thursday October 25<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Raining. Light air from S<sup>th</sup> and W<sup>th</sup>. Barometer rising slowly.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Overcast and cloudy. Calm and light air from S<sup>th</sup>, and S<sup>th</sup> and W<sup>th</sup>. Heavy showers of rain last hour. Barometer rising slowly. Sun not seen.

(Signed) Clinton K. Cushing  
Lieut.

From 8 to 11 A.M. Overcast. Raining. Calm. Cumulus nimbus clouds.

(Signed) Samuel C. Lundy  
Ensign

From 11 A.M. to 4 P.M. Overcast. Raining last two hours. Light variable air.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 P.M. Overcast. Raining. Light air from S<sup>th</sup> and E<sup>th</sup>.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Partially cloudy. Cool. Pleasant. Light E<sup>th</sup> breeze. Sun, stars, clouds. Bright moonlight.

(Signed) Samuel C. Lundy  
Ensign.

Examined and found to be correct.

(Signed) Ada Walker  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometrical.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sky, by fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				N.E.	1		29.88	78	79	78	bc	6	5		
1				"	1		29.86	78	79	78	"	6	3		
2				"	1		29.85	79	78	77	or	"	0		
3				"	1		29.84	79	78	77	"	"	0		
4				Calan	0		29.85	79	78	77	"	"	0		
5				P.E.	1		29.87	79	78	77	0	"	0		
6				Calan	0		29.89	79	78	77	"	"	0		
7				"	0		29.90	79	80	78	bc	"	1		
8				"	0		29.91	79	80	79	"	"	1		
9				"	0		29.95	79	81	80	"	"	1		
10				S.	1		29.92	79	82	80	"	"	1		
11				"	1		29.90	79	82	80	"	"	1		
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

163 " 1415 "

P. M.															
1			P.W.	1		29.88	79	82	80	bc	6	2			
2			"	1		29.85	80	82	80	"	"	2			
3			"	2		29.84	80	82	81	"	"	3			
4			"	2		29.83	80	82	81	"	"	3			
5			"	2		29.82	80	82	81	"	"	3			
6			P.W.	1		29.85	80	82	81	"	"	4			
7			"	1		29.87	80	81	80	"	"	4			
8			"	1		29.89	80	81	80	bc	6	4			
9			P.E.	1		29.90	80	81	80	"	"	5			
10			"	1		29.92	80	81	80	bc	6	5			
11			"	1		29.92	80	81	80	"	"	6			
Mid.			"	1		29.92	80	81	80	bc	6	5			

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Under the command of

Commodore Winfield Scott Pellay  
Friday October 26<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy first two hours. Borecast and rainy last two. At 12-30 British Steam "Gongo" came in and anchored. Put mail aboard. At 1-30 "Gongo" left the harbor.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 A.M. Borecast and warm. Rainy first hour. Calm - Barometer rising slowly.

(Signed) James K. Cogswell

From 8 to Merid, Cloudy. Pleasant. Calm and light air from S. At 8 borecast sail to a broline. At 9-15 expired at fire quarters. Expended Howitzer crew at target practice with pistols.

(Signed) Clinton K. Curtis  
Lieut.

From Merid, to 4 P.M. Clear. Warm. Sun, Wind, clouds. Light S. by W. breeze. At 3-30 shortened and furled sail. By order of Com<sup>d</sup> Officer, W. J. Woodard (B.P.) was confined to the better deck for carrying <sup>inadequate</sup> (Signed) Samuel C. Remy  
Ensign.

From 4 to 8 P.M. Clear and pleasant. Light air from S. and W. At 4-45 mustered at quarters and turned in clean hammocks.

(Signed) Charles F. T. Moore  
Ensign.

From 8 to Midnight. Cloudy. Pleasant. Passing showers last two hours. Barometer steady.

(Signed) Clinton K. Curtis  
Lieut.

Examined and found to be correct.

(Signed) Ada Walker  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P. E.	1	29.89	80	81	81		bc	Cumulus	5		
1				"	1	29.92	80	81	81		"	"	5	"	
2				Calcut	0	29.89	80	81	81		"	"	4	"	
3				"	0	29.86	80	81	81		"	"	4	"	
4				"	0	29.85	80	79	78		"	Cum	3	"	
5				"	0	29.84	76	79	78		"	"	3	"	
6				"	0	29.86	76	79	79		"	"	5	"	
7				"	0	29.87	77	80	80		"	"	6	"	
8				"	0	29.89	78	82	81		"	Cum	2	"	
9				H. H. W.	1	29.91	80	82	82		"	"	1	"	
10				H. H. W.	1	29.90	80	83	82		"	Cum	6	"	
11				P. W.	1	29.90	80	83	82		"	"	1	"	
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

163 " 1165 "

P. M.															
1				P. W.	1	29.85	81	83	82		bc	Cum	5		
2				"	12	29.80	81	83	82		bc	"	5	"	
3				"	1	29.80	81	83	82		"	"	4	"	
4				"	1	29.80	81	84	82		bc	Cum	3	"	
5				H.	1	29.85	81	84	82		bc	"	2	"	
6				"	2	29.85	81	84	82		"	"	1	"	
7				H. W.	2	29.85	80	83	81		or	"	0	"	
8				"	2	29.86	80	83	81		"	"	0	"	
9				"	1	29.87	80	83	82		"	"	0	"	
10				H. E.	1	29.89	80	83	82		bc	"	6	"	
11				"	1	29.91	80	82	80		bc	"	3	"	
Mid.				"	1	29.91	80	82	80		bc	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Schley  
Saturday October 27<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially clear. Pleasant - Calm. Observed moonlight. Sun, thin, clouds.

(Signed) Samuel C. Rensley  
Ensign

From 4 to 8 A.M. Warm and partially cloudy. Midshipman W. H. Allen was placed under suspension for sleeping on his watch, by order of Commanding Officer.

(Signed) Charles B. F. Moore  
Ensign

From 8 to Midnight, Cloudy and warm. Light air from S. and W. S.W. Well from S.W.

(Signed) James K. Cogswell  
Lieut.

From Midnight to 4 P.M. Partially cloudy but pleasant, passing storm first hour. Barometer falling. Indications of thunder storm latter part of watch.

(Signed) Clinton K. Bentley  
Lieut.

From 4 to 8 P.M. Partially clear. Warm. Light W. by air. Ships rolling very heavily. Raining latter part of watch, with thunder and lightning at S.W.

(Signed) Samuel C. Rensley  
Ensign

From 8 to Midnight. Cloudy and pleasant. Light air from N.E. Ships rolling moderately.

(Signed) James K. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Alex. Walpole  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. and.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.P.E.	1	29.85	79	82	80		o/f	Clear	0	0	0
1					1	29.85	79	82	80		"	"	0	"	"
2				E.d.	1	29.85	79	82	80		o/f	"	0	"	"
3				"	1	29.85	79	82	80		o/f	"	0	"	"
4				E.	1	29.86	78	82	80		o/f	"	0	"	"
5				"	1	29.87	78	80	80		o/f	"	0	"	"
6				E.N.E.	1	29.91	78	80	80		bc	"	1	"	"
7				M.E.	1	29.87	79	80	80		o	"	0	"	"
8				E.	1	29.87	79	80	80		"	"	0	"	"
9				Calcu	0	29.87	79	82	80		"	"	0	"	"
10				H.	1	29.87	80	84	81		bc	Clear	4	"	"
11				"	1	29.86	80	85	81		"	"	4	"	"
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons 2170 lbs.

Coal remaining on hand at Noon

162 " 1235 "

P. M.				H.W.	1	29.83	83	86	84		bc	Clear	2	0	0
1				P.W.	1	29.80	83	86	84		"	"	1	"	"
2				P.P.W.	1	29.78	83	85	83		"	"	1	"	"
3				P.W.	1	29.78	83	85	83		"	"	2	"	"
4				E.d.	1	29.80	83	85	82		"	Clear	2	"	"
5				"	12	29.83	82	84	82		"	"	2	"	"
6				"	2	29.85	81	83	80		"	"	1	"	"
7				H.E.	1	29.88	80	82	79		or	"	0	"	"
8				"	1	29.86	79	81	79		bc	"	2	"	"
9				"	1	29.85	79	81	79		"	"	3	"	"
10				H.E.	2	29.84	78	81	79		"	"	4	"	"
11				"	2	29.84	78	81	78		"	"	5	"	"
Md.															

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Pelee  
Ponday

October 28<sup>th</sup>  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M. Cloudy - Pleasant. Light breeze from S.W. and E.W. Barometer steady - frequent light showers during watch.

(Signed) Clinton K. Curtis  
Lieut.

from 4 to 8 A.M. Overcast - Passing shower - Thunder and lightning to seaward - Light E.W. air.

(Signed) Samuel C. Rensley  
Ensign.

from 8 to 12 M. Overcast first two hours, clearing last half of watch - Warm - Calm and light wind from N.W. and E.W. - Commanding Officer inspected crew at quarters and ships, at 9.30.

(Signed) Charles J. F. Moore  
Ensign.

from 12 M. to 4 P.M. Cloudy and warm - Light variable air.

(Signed) Samuel K. Cogswell  
Lieut.

from 4 to 8 P.M. Overcast and threatening - Raining during last hour - Light air increasing to light breeze from E.W. Thunder, with vivid lightning during watch - Barometer rising - At 6.40 started fire in two forward ports trial.

(Signed) Clinton K. Curtis  
Lieut.

from 8 to Midnight - Drizzling rain first half hour - Vivid lightning and heavy thunder to W. Clearing last part - Commenced distilling.

(Signed) Charles J. F. Moore  
Ensign.

(Signed) Alva Walpole  
Lieut.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sun.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				E. S. E.	2		29.86	80	83	80		bc	Cum. Mist	2		
1				"	1		29.86	80	83	80		"	"	1	"	
2				"	2		29.84	79	83	80		bc	"	1	"	
3				"	2		29.83	79	83	80		bc	"	1	"	
4				E. S. E.	1 1/2		29.85	79	81	80		bc	"	2	"	
5				"	1		29.87	80	81	79		"	Sum	3	"	
6				"	1		29.89	80	82	80		"	"	5	"	
7				"	1		29.89	80	82	80		"	"	7	"	
8				S. E.	1		29.89	81	84	81		"	Sum	5	"	
9				S.	1		29.90	81	84	82		"	"	5	"	
10				"	1		29.88	82	85	82		"	"	5	"	
11				S. W.	1		29.87	83	85	83		bc	"	4	"	
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

600 "

Water remaining on hand fit for use at Noon

1300 "

Coal consumed during the preceding 24 hours

2 tons 910 lbs.

Coal remaining on hand at Noon

160 " 325 "

P. M.				S. W.	1		29.85	83	85	83		bc	Sum	5		
1				"	1		29.83	83	85	83		"	"	5	"	
2				"	2		29.81	83	85	83		"	"	4	"	
3				"	2		29.80	83	85	82		"	"	4	"	
4				S. W.	2		29.83	83	85	82		bc	"	0	"	
5				"	2		29.86	82	85	83		bc	"	0	"	
6				"	2		29.86	82	85	82		"	"	0	"	
7				S. W.	2		29.87	82	85	82		"	"	0	"	
8				"	2		29.89	82	85	82		bc	"	5	"	
9				"	2		29.90	82	85	82		"	"	4	"	
10				"	3.6		29.89	81	84	81		org	"	0	"	
11				"	2		29.88	80	83	80		bc	"	2	"	
Mid.																

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Pelee  
Monday October 29<sup>th</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy and pleasant. Light air from S.W. and E. Light sprinkling of rain last hour of watch. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy - Pleasant. Clearing during last hour. Light air from E. - Barometer rising. At 8 covered rail to a towline. Fire tanked in two trials. Steam pressure 25 lbs. Distilling in operation.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Noon, Partially cloudy, with passing showers last hour. At 9-15 expended at gunnery practice. Time as follows. East line in 5<sup>th</sup> 30<sup>sec</sup>. Second in 6<sup>th</sup> 50<sup>sec</sup>. Fire tanked in two trials. Steam pressure 25 lbs. Distilling. At 11, W. J. Woodward (Q. S.) was released by order of Commanding Officer.

(Signed) Samuel C. Lundy  
Ensign

From Noon, to 4 P.M. Partially overcast. Warm. Light air and moderate breeze from S.W. At 11, fueled rail.

(Signed) Charles J. T. Moore  
Ensign.

From 4 to 8 P.M. Overcast and pleasant. Light air from S.W. and W. Lightening to W. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Cloudy - Heavy squalls passing to seaward. Thunder and lightning. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Ensign.

(Signed) Ada Walper  
Lieut.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fms.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				N.E.	1		29.86	80	82	79	bc	Cum	4	3	9	
1				"	1		29.83	79	81	79	"	"	4	"		
2				"	2		29.80	79	81	79	"	"	5	"		
3				"	2		29.79	79	81	79	"	"	5	"		
4				N.E.	2		29.81	79	79	78	0	"	0	"		
5				N.E.	2		29.84	78	79	78	0	"	0	"		
6				"	1		29.86	78	79	78	bc	"	3	"		
7				E.N.E.	1		29.86	78	81	79	"	"	5	"		
8				"	1		29.86	78	81	79	"	"	5	"		
9				"	1		29.86	80	81	79	"	"	5	"		
10				"	1		29.84	80	83	80	bc	"	3	"		
11				N.W.	1-2		29.84	81	83	82	"	"	2	"		
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

800 "

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

1 tons 2210 lbs.

Coal remaining on hand at Noon

158 " 355 "

P. M.																		
1				N.W.	1		29.83	81	83	82				bc	Cum	4	2	9
2				N.W.	2		29.81	82	84	82				"	"	3	"	
3				"	2		29.79	82	85	82				"	"	4	"	
4				"	2		29.78	82	85	82				"	"	4	"	
5				"	2		29.79	82	85	82				"	"	4	"	
6				"	2		29.79	82	84	82				"	"	5	"	
7				"	1		29.80	82	84	82				"	"	4	"	
8				"	1		29.80	82	84	82				"	"	4	"	
9				N.W.	1		29.83	81	84	81				bc	"	7	"	
10				"	1		29.86	81	83	81				"	"	5	"	
11				"	1		29.86	81	82	80				"	"	5	"	
Mid.				"	1		29.84	80	82	80				"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Under the command of

Commander Winfield Scott Peley  
Thursday October 30<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Partially overcast. Pleasant - Light air from N.E.

(Signed) Charles F. T. Moore

From 4 to 8 A.M. Cloudy and warm. Light air from N. and E. At 6 English Mail Steamer "Edgar" came in and anchored. At 6.30 English Steamer "Ziafra" came in and anchored. Five barrels in two barrels. Distilling.

(Signed) James K. Cogswell

From 8 to Noon, Cloudy, warm. Passing showers last two hours. Light breeze from N. and E. At 9-15 inspected at quarters. Exercised at small arms and Howitzer drill. At 11, English Steamer "Edgar" left the harbor. Splendid colors. By order of Commanding Officer, Private Stakler was placed in solitary confinement, on bread and water.

(Signed) Clinton K. Curtis

From Noon, to 4 P.M. Partially clear. Light S.W. air. Sun, light, clouds. Wind holding. Inspected clothing. Five barrels in two barrels. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Remley

From 4 to 8 P.M. Partially cloudy. Warm. Light air from S.W. Royal Mail Steamer "Ziafra" steamed out bound North.

(Signed) Charles F. T. Moore

From 8 to Midnight. Cloudy. Pleasant. Light air from N. and E. Rainfall falling slowly. Lightning around horizon.

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Asa Watson

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the roll (the vessel is under way) at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.				E by N.	2	29.88	79	79	77		bc	Cumuli	5	
1				E.	3.6.	29.82	78	78	77		org	"	0	
2				"	3	29.81	78	78	76		"	"	0	
3				"	3	29.80	78	77	75		bc	"	2	
4				"	1	29.81	78	78	76		"	"	2	
5				"	2	29.83	78	79	76		"	"	2	
6				"	2	29.85	79	80	78		"	"	4	
7				"	2	29.85	79	80	78		0	"	4	
8				E. by E.	2	29.88	80	81	78		bc	"	0	
9				Calcu	0	29.90	80	82	80		"	"	1	
10				H. W.	2	29.87	83	84	82		"	"	1	
11				"	1	29.85	82	84	83		"	"	3	
Noon.														

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

260 gallons.

Water *Consumed* during the preceding 24 hours

600 "

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

1 tons 1760 lbs.

Coal remaining on hand at Noon

156 " 885 "

P. M.														
1				H. W.	1	29.83	82	84	83		bc	Cumuli	4	
2				S. by W.	2	29.81	82	84	82		"	"	4	
3				S. by W.	1	29.80	82	84	82		"	"	5	
4				"	1	29.80	82	84	82		"	"	7	
5				"	1	29.81	82	84	82		"	Cumuli	4	
6				"	2	29.83	82	84	82		"	"	3	
7				S. by W.	2	29.85	82	84	82		o/c	"	0	
8				"	2	29.87	82	84	82		bc	"	3	
9				S. W.	2	29.91	82	85	82		"	"	3	
10				"	2	29.91	82	85	82		"	"	1	
11				"	2	29.90	81	83	81		bc/c	"	1	
Mid.				"	2	29.90	80	83	81		bc	"	4	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Schley  
Wednesday October 31<sup>st</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially clear. Rain squalls during watch. Comm. Wind. clouds. Light E. by N. breeze. Fire pumped in two boilers. Steam pressure 25 lbs. Distilling. Evening Wind. (H. O. P.) flood from house after watch.

(Signed) Samuel C. Lundy  
Ensign

From 4 to 8 A.M. Partially overcast. Cool. Light air from E. by N.

(Signed) Charles B. P. Moore  
Ensign

From 8 to Mid. Cloudy and pleasant. Light variable air. Scraped spar. Midshipman H. H. Allen was promoted to duty by order of Commanding Officer. American Minister paid an official visit to the ship. Pumped fire in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) James R. Cogswell  
Lieut.

From Mid. to 4 P.M. Clear and pleasant. Light air from N. by E. and W. by N. shifting to E. by N. and W. by N. At 2.45 fuelled sail. Barometer falling. Pumped fire in two boilers. Distiller in operation.

(Signed) Clinton R. Cogswell  
Lieut.

From 4 to 8 P.M. Partially clear. Passing rain squalls. Comm. Wind. clouds. A small Librian schooner came in and anchored. By order of Comm. Officer, Alfred Stahl (P. M.) was released from confinement and promoted to duty. Fire pumped in two boilers. Steam pressure 25 lbs. Distilling. Hoisted ensign pipe and made preparations for sea.

(Signed) Samuel C. Lundy  
Ensign

From 8 to Midnight. Cloudy and pleasant. Passing showers of rain. Light breeze from S. W. At 10 P.M. American Minister E. Milton Turner, and his Secretary E. W. Philo came on board to take passage for Great Zorra. Fire pumped in two boilers. Distilling.

(Signed) James R. Cogswell  
Lieut.

(Signed) Asa Walpole  
Lieut.



Steam

"Expedition"

Munroia &amp; Great Bassa, Liberia

3<sup>rd</sup> Rate,

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Direction.	Force.	Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
									Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																		
1						P.E.	1		29.8779	80	78			bc	Guin	7		
2						"	1		29.8579	80	78			"	"	7		
3						E.P.E.	1		29.8379	80	78			"	"	7		
4						"	1		29.8379	80	78			"	"	7		
5						P.E.	1		29.8479	81	79			"	Guin	8		
6						"	1		29.8579	81	79			"	"	8		
7	6 0		P.E.K.P.			E.P.E.	2		29.8780	82	80			"	"	8		
8	7 2		"			"	2		29.8880	82	80			"	"	8		
9	7 4		"			P.E. & E.	2		29.8981	84	82			"	"	7		
10	8 0		"			P.E.	1		29.8882	85	83			"	Guin	7		
11	8 4		"			Calin	0		29.8883	85	83			"	"	7		
Noon.	5 4		"			P.S.W.	1		29.8784	86	83			"	"	7		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

600 "

Water remaining on hand fit for use at Noon

2600 "

Coal consumed during the preceding 24 hours

5 tons 870 lbs.

Coal remaining on hand at Noon

150 " 2205 "

P. M.																		
1	Steaming in to	P.P.E.	1	29.8583	87	85	bc	Guin	8									
2	Great Bassa.	"	1	29.8183	87	85	"	"	8									
3	At Anchor.	"	1	29.8583	86	84	"	Guin	5									
4		"	1	29.7883	86	84	"	"	2									
5		P.W.	1	29.8083	86	84	"	"	5									
6		P.P.W.	1	29.8183	86	83	"	"	5									
7		"	1	29.8383	85	82	bc/p	"	3									
8		"	1	29.8583	85	82	bc	"	3									
9		"	2	29.8683	85	82	"	"	5									
10		E.P.E.	1	29.8883	85	82	"	"	4									
11		"	1	29.8883	85	82	bc/p	"	6									
Mid.		"	1	29.8983	85	82	"	"	3									

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Schley  
Thursday November 1<sup>st</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partly cloudy and damp. Light air from S<sup>th</sup> and E<sup>th</sup>. Started fire in boilers Nos. 5 and 7 at 12 A.M. Barometer falling.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Light S.E. breeze. In Comm. Souda. At 5-30 got underway under four boilers and stood down the coast. Draught forward 14 ft. Amidships 15 ft. Aft 16 ft. At 6-15 took departure, Cape Mendocino (J.C.) N.W. distant three miles. Set corner S.E. 1/2 S. Steaming four boilers. Steam pressure 60 lbs. Revolutions 40. At 7-50 sighted a schooner off port bow standing to S<sup>th</sup>.

(Signed) Samuel C. Lundy  
Ensign.

From 8 to Midnight, Clear. Warm. Calm and light variable air. Engaged in heaving out hold. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 40. At 8-35 sighted a sail off starboard bow. By order of Commanding Officer, the Transport (C.F.) was dispatched to Richmond at his own request, from this date.

(Signed) Charles F. T. Moore  
Ensign.

From Midnight to 4 P.M. Cloudy and warm. Light air from S<sup>th</sup> and E<sup>th</sup>. At 1-30 came to anchor off Great Falls, in 7 1/2 fathoms water, steering to 30 fathoms port chace. Falls (J.C.) N.E. Draught forward 14 ft. Amidships 15 ft. Aft 16 ft. At 2 P.M. American Minister F. Milton Turner and his Secretary E.W. Potts left the ship. Janned fire in four boilers. Steam pressure 40 lbs. Distilling.

(Signed) James L. Cogswell  
Lieut.

From 4 to 8 P.M. Cloudy, pleasant. Light breeze from S<sup>th</sup> and W<sup>th</sup>. Barometer rising. Finished heaving hold. Fire janned in four boilers. Steam pressure 20 lbs. Distilling in operation.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Cloudy. Light passing squalls latter part. Light air from S<sup>th</sup> and E<sup>th</sup>. Fire janned in four boilers. Distilling.

(Signed) Charles F. T. Moore  
Ensign.

(Signed) Aea Wapka  
Lieut.



## LOG of the UNITED STATES

*Steamer E. E. Ellery*  
Off Cuba River

Rate, 6 Guns,  
Great Balla, Liberia

Hour.	Knots.	Fathoms.	Comms stored.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.				P. E.	1		29.85	81	82	80	bc	Sum	3	S
1				"	1		29.85	81	82	80	"	"	3	"
2				"	1		29.84	81	82	80	"	"	3	"
3				"	1		29.83	81	82	80	bc	"	3	"
4				"	1		29.83	79	81	80	"	"	4	"
5				"	1		29.83	79	81	79	"	bc	4	"
6				E. N. E.	1		29.85	79	82	80	"	"	4	"
7				"	1		29.86	80	83	82	"	"	4	"
8				P. E.	1		29.86	82	84	82	"	"	4	"
9				P. E.	1		29.86	83	85	84	"	"	5	"
10				"	1		29.87	83	86	84	"	"	5	"
11				"	1		29.85	83	87	84	bc	"	5	"
Noon.	7 4	P. E. 1/2 E		"	2									

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

2650 "

Coal consumed during the preceding 24 hours

5 tons 1110 lbs.

Coal remaining on hand at Noon

145 " 1095 "

P. M.	Knots.	Fathoms.	Comms stored.	WINDS.	Barometer.	TEMPERATURE.	State of the Weather.	Force of Clouds.	State of the Sea.	Record of the sail.
1	8 0	P. E. 1/2 E	"	2	29.83	83 87 84	bc	Sum	7	L
2	7 6	"	"	2	29.79	83 87 84	"	"	7	"
3	8 0	"	"	2	29.76	84 86 83	"	Sum	7	"
4	At Anchor.	"	"	2	29.78	84 86 84	"	"	5	"
5		"	"	2	29.77	83 86 83	"	"	1	"
6		"	"	2	29.81	82 85 83	bc	"	2	"
7		"	"	2	29.82	82 84 82	bc	"	8	"
8		"	"	4	29.83	81 82 80	"	"	6	"
9		"	"	3	29.85	81 83 82	"	"	3	"
10		"	"	3	29.87	81 84 80	"	"	4	"
11		"	"	3	29.87	81 84 82	"	"	0	"
Mid.		"	"	3	29.87	81 83 85	"	"	4	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Pelee  
Friday November 2<sup>nd</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Light air from S. and E. Wind rose at 3.15. Fire hauled in four boilers. Steam pressure 20 lbs. Distilling.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Clear, warm and pleasant. Light breeze from S. E. shifting to E. N. E. Barometer rising. Fire hauled in four boilers. Steam pressure 40 lbs. Distilling.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Noon. Partly cloudy. Warm. Light B. breeze. American Consul visited the ship. At 9.20 hour in to 15 fathoms. At 10.25 got underway and stood down the coast under direction of Navigator. At 10.55 stopped engine to get up on eccentric. At 10.58 started ahead. Draught forward 14 feet. Amidships 15 feet. Aft 16 feet. At 11, stop departure. Great Balla Point lighthouse (sec) N. E. of H. distant through sails. Set course, S. E. by E. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 40.

(Signed) Samuel C. Remy  
Ensign.

From Noon to 4 P.M. Cloudy. Warm. Light breeze from S. and W. Steaming with four boilers. At 12.10 set main top sail. At 12.25 set fore and fore-topmast staysail. At 3.30 stop in all fore and aft sails. At 3.55 came to off Gull's Cove in 7 1/2 fathoms water, hauling to 30 fathoms port chain. Draught forward 13 feet 11 in. Amidships 14 feet 11 in. Aft 16 feet. Steam pressure 60 lbs. Revolutions 45. Whanna Reef lighthouse N. by W. of H. George Point E. S. E.

(Signed) Charles J. T. Moore  
Ensign.

From 4 to 8 P.M. Cloudy and warm. Light breeze from S. and W. Lightning in horizon to N. E. Hauled fire in four boilers. Steam pressure 32 lbs.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Cloudy. Heavy rain squall in middle of water. Sun, Moon, clouds. Fire hauled in four boilers. Steam pressure 30 lbs.

(Signed) Samuel C. Remy  
Ensign.

(Signed) Aea Waefer  
Lieut.



Steamer

Eclip

Rate,

Guns,

Off Gull's River &amp; Piana Village, Lithuania

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in tenths.	State of the Sea.	Direction of the pull the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1				P.W.	2	29.85	82	83	81		bcl	Cumulus	4	L	
2				"	1	29.83	82	83	81		bcl	"	2	"	
3				S.E.	1	29.83	82	82	81		o/c	"	0	"	
4				"	2	29.85	82	82	80		bcl	"	5	"	
5				P.W.	1	29.80	80	82	80		"	"	5	"	
6				"	1	29.81	80	81	79		"	"	3	"	
7				E	1	29.83	80	80	79		"	"	1	"	
8				"	1	29.84	80	81	80		"	"	2	"	
9				P.P.W.	2	29.88	81	84	81		bcl	"	3	"	
10				"	1.2	29.88	82	84	81		"	"	2	"	
11				"	1	29.86	82	84	81		bcl	"	2	"	
Noon.				"	1	29.85	82	85	82		bcl	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

4 tons 1250 lbs.

Coal remaining on hand at Noon

140 " 2085 "

P. M.															
1	Standing in for	P.P.W.	2	29.82	82	85	82				bcl	Cumulus	3	L	
2	Shore	P.W.	2	29.80	82	85	82				o	"	0	"	
3	At Anchor.	P.W.	3	29.79	82	85	82				o/c	"	0	"	
4		"	3	29.78	82	85	82				o	"	0	"	
5		"	3	29.80	80	84	82				o/c	"	0	"	
6		"	3	29.83	80	83	82				o/c	"	0	"	
7		P.P.W.	2	29.85	80	81	80				"	"	0	"	
8		"	2	29.88	80	82	80				o/c	"	0	"	
9		"	1	29.88	80	82	80				o	"	0	"	
10		"	1	29.90	81	82	80				"	"	0	"	
11		"	1	29.88	81	82	80				"	"	0	"	
Mid.		"	1	29.86	81	82	80				o/c	"	0	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Riley  
Saturday November 3<sup>rd</sup>

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Falling shower - Lightning around horizon - Light breeze from S.W. shifting to S.E. Fire tanked in four boilers -

(Signed) Charles F. T. Moore

From 4 to 8 A.M. Cloudy and pleasant - Light variable air - At 7.30 got underway and stood out from Custer River - Draught forward 13 ft 11 in - Amidships 14 ft 11 in - Aft 16 ft - At 7.20 spread fire in four boilers - Steam pressure 60 lbs - Revolutions 49 - At 8 took departure, Custer Point bearing S.W. 1/2 E. distant four miles -

(Signed) James K. Cogswell

From 8 to 11 A.M. Cloudy - Light breeze from S.W. Frequent rain squalls and passing showers during watch - At 9, set head sails and main top sail - At 10, took in and furlled head sails and main top sail - Changed course at 9.40 to S.E. 1/4 S. At 11, to S.E. 3/4 S. and at 11.25 to S.E. Steaming four boilers - Steam pressure 65 lbs - Revolutions 50 -

(Signed) Clinton K. Curtis

From 11 A.M. to 4 P.M. Partially clear - Passing showers - Moderate S.W. breeze - At 12, got cast of deep sea lead in 33 fathoms, hard sand - At 12.15 set main top sail, at 12.50 took it in - At 1.30 came to off Pineo Village in 8 fathoms water, lying to 30 fathoms foot chain - Draught forward 13 ft 11 in - Amidships 14 ft 11 in - Aft 16 ft - Granges at anchor - Probable S.E. by E. Fire tanked in four boilers - Steam pressure 25 lbs - Distilling -

(Signed) Samuel C. Lundy

From 4 to 8 P.M. Breeze and raining - Light breeze from S.W. shifting S.E. Fire tanked in four boilers - Steam pressure 26 lbs - Distilling -

(Signed) Charles F. T. Moore

From 8 to Midnight - Breeze and cloudy - Light air from S.W. and E.S.W. Barometer falling - Fire tanked in four boilers - Steam pressure 25 lbs - Distilling -

(Signed) Clinton K. Curtis

(Signed) Alva Walpole



Steamer *Essex*S<sup>rd</sup>

Rate,

6

Guns,

Off Prince Village, Pitta Pin, Liberia, &amp; at Sea

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Winds, by symbols.	Force of Current, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				E	1	29.84	80.81	80				bc	Gun Mast 1	R	
2				Calms	0	29.82	80.81	80				ob	" 0	"	
3				E	1	29.81	80.81	80				"	" 0	"	
4				"	1	29.81	80.81	80				bc	" 2	"	
5				"	1	29.82	80.80	79				"	" 3	"	
6				"	1	29.84	80.80	79				0	" 0	"	
7				Calms	0	29.85	80.80	79				bc	" 0	"	
8				E	1	29.86	80.80	79				"	" 1	"	
9				E.N.E.	1	29.86	80.82	80				0	" 0	"	
10				"	1	29.87	80.82	80				bc	" 3	"	
11				S.W.	1	29.87	81.83	82				"	" 3	"	
Noon.				"	1	29.85	82.84	82				"	" 4	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

2490 "

Coal consumed during the preceding 24 hours

5 tons 770 lbs.

Coal remaining on hand at Noon

135 " 1315 "

P. M.															
1	At Anchor		bc	Gun Mast 5	R										
2	44 S.E. 1/2 S.	"	2	29.78	83.85	83						"	" 5	"	
3	At Anchor	"	1	29.78	83.84	82						"	" 3	"	
4		"	1	29.78	82.83	81						or	Gun Mast 0	"	
5		S.W. 1/2 S.	2	29.78	82.83	81						"	" 0	"	
6		"	2	29.79	82.83	81						"	" 1	"	
7		"	2	29.83	82.83	81						"	" 2	"	
8		"	2	29.83	82.83	82						"	" 3	"	
9	30 S. by E.	S.W.	3	29.87	82.83	82						bc	" 5	"	
10	44 "	S.W.	3	29.87	82.83	82						or	" 0	"	
11	40 "	S. by E.	3	29.87	80.80	80						bc	" 5	"	
Mid.	40 "	"	3	29.86	80.80	80						bc	" 5	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Under the command of

Commander Winfield Scott Schley  
Sunday November 4<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Breeze - Light E. by breeze - Sun, Wind,  
clouds - Ship rolling heavily - Fire tanked in four boilers - Distilling -

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 A.M. Cloudy - Light air from E. and calm - Fire tanked  
in four boilers - Steam pressure 25 lbs. - Distilling -

(Signed) James K. Cogswell

Lieut.

From 8 to Noon, Cloudy and warm - Light variable air - At 9.40 Comm. by  
Officer inspected ship and crew at quarters - Afterwards all hands were  
called to muster, where Articles of War were read, also prayers, and crew  
mustered - Fire tanked in four boilers - Steam pressure 20 lbs.

(Signed) Clinton K. Curtis

Lieut.

From Noon to 4 P.M. Cloudy - Raining during last hour - Light breeze from  
S. At 1.05 got underway and stood down the coast - At 2.55 came  
to off Pinta River, in 10 fathoms water, buoy to 30 fathoms port beam -  
Brought from Simon where four and a half, Commissioner on behalf of  
the Liburan Government, to adjust difficulties with water rights - Brought  
forward 13 feet 11<sup>in</sup> Amidships 14 feet 11<sup>in</sup> - Aft 16 feet - Draining at anchor -  
Kilo Rocks (see) N. by W. 3/4 W. - Pinta River E. by N.

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 P.M. Breeze and raining - Moderate breeze from S. At 7.45  
prepared to get underway -

(Signed) James K. Cogswell

Lieut.

From 8 to Midnight. Cloudy and raining - Moderate breeze from S. and W. At  
8.20 got underway and set the course S. by E. At 9.50 - 10.50 and  
11.50 got soundings in 23, 31 and 35 fathoms of water - Brought forward  
13 feet 11<sup>in</sup> - Amidships 14 feet 11<sup>in</sup> - Aft 16 feet - Draining with four boilers -  
Steam pressure 55 lbs. - Revolution 34 -

(Signed) Alva Watpew

Lieut.

Examined and found to be correct.

(Signed) Alva Watpew

Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer

E. S. S. " "

At Sea 3<sup>rd</sup> Rate, 6 Guns, Cape Palmat, Liberia

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.			P. E.	P. E.	1.2	29.83	81	83	81		bc	bc	4		
1	5 0		"	"	2	29.82	81	83	81		"	"	2		
2	4 0		"	"	1	29.80	80	83	81		bc	"	2		
3	4 4		"	"	1	29.79	80	83	81		bc	"	1		
4	4 4		"	"	2	29.78	80	83	81		"	"	4		
5	4 4		"	"	2	29.80	80	82	80		od	"	0		
6	4 4		"	"	2	29.82	81	83	80		o/p	"	0		
7	6 0		"	"	2	29.85	81	83	81		"	"	0		
8	6 2		"	"	3	29.85	81	83	82		bc	bc	5		
9	7 0		"	"	3	29.87	82	84	82		"	"	6		
10	Standing in to		"	"	3	29.85	82	84	82		"	"	6		
11	Cape Palmat		"	"	2	29.83	83	85	83		"	"	2		
Noon.	At Anchor		"	"											

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2240 "

Coal consumed during the preceding 24 hours

4 tons 1950 lbs.

Coal remaining on hand at Noon

130 " 1605 "

P. M.															
1			P. P. W.	2	29.81	83	85	83		bc	bc	2			
2			"	2	29.78	83	85	84		"	"	3			
3			"	1	29.78	83	86	83		"	"	3			
4			"	1	29.78	83	86	83		"	"	3			
5			"	1	29.79	84	86	83		or	"	0			
6			"	2	29.81	83	85	82		bc	"	3			
7			"	2	29.83	82	84	81		or	"	0			
8			"	2	29.85	81	83	81		o	"	0			
9			"	2	29.86	82	83	81		bc	"	1			
10			"	2	29.86	81	82	81		"	"	4			
11			"	3	29.86	81	82	81		"	"	2			
Mid.			"	2	29.85	81	82	81		"	"	8			

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commander Winfield Scott Pelley  
Monday November 5<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Falling shower during watch. Light breeze from S.E. and E. Got cast of lead every hour, bottom 35 fathoms. Haul mud, first three casts 32 fathoms last cast. Barometer falling.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Overcast. Frequent passing showers. Light breeze from S.E. Steaming with four miles. Got cast of lead every hour. One sail in sight. Steam pressure 60 lbs. Revolutions 44. At 8, changed course to S.E. by S. Bottom at 5 and 6, 33 fathoms, Kasp mud. At 7, 30 fathoms. At 8, 25 fathoms, gravel.

(Signed) Charles B. T. Moore  
Surgeon.

From 8 to Noon, Cloudy and warm. Raining. At 10.50 came to anchor off Cape Palmas in 7 1/2 fathoms water, heaving to 15 fathoms port chain. Gravel bottom. Afterwards, hauled to 45 fathoms. Cape Palmas Light-bou (for) S.E. by E. 1/2 E. distant 1 1/4 miles. Draught forward 13 feet 10 in. Amidships 14 feet 10 in. Aft 15 feet 11 in. Let fire out in two trunks. Bunked fire in two trunks. Distilling.

(Signed) James K. Cogswell  
Lieut.

From Noon to 4 P.M. Cloudy. Passing shower first and last hour. Light breeze from S.E. and W. Barometer falling. At 1 closed sail to dry. At 1.20, on account of indications of rain, pulled sail. At 1.40 raised aloft and mended sail. Much big came in and anchored.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 P.M. Cloudy. Heavy rain squalls. Sun, Moon, clouds. Light breeze from S.E. W. Fire banded in two trunks. Steam pressure 29 lbs. Distilling.

(Signed) Charles B. T. Moore  
Surgeon.

From 8 to Midnight. Cloudy and raining. Light breeze from S.E. and W. Long swell from S.W. Fire banded in two trunks. Distilling.

(Signed) Ada Walker  
Lieut.

(Signed) Ada Walker  
Lieut.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prevalence of Clear Sky, in fathoms.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				P.W.	1	29.84	81	82	80		bc	bc	5	L	
1				"	2	29.82	81	82	80		bc	"	3	"	
2				"	2	29.80	81	82	80		"	"	1	"	
3				"	2	29.80	81	82	80		"	"	2	"	
4				S. S.W.	1	29.81	81	82	81		or	"	0	"	
5				"	1	29.82	80	82	81		bc	"	2	"	
6				"	1	29.83	80	82	80		or	"	0	"	
7				"	1	29.85	79	81	80		"	"	0	"	
8				"	2	29.85	79	81	79		"	"	0	"	
9				"	1	29.86	80	81	79		bc	"	2	"	
10				"	1	29.84	80	82	80		or	"	0	"	
11				"	2	29.82	80	82	80		"	"	0	"	
Noon.				"	2	29.82	80	82	80		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude @ observed at Sunrise

Variation of the Compass by Azimuth @ observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

500 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons 1250 lbs.

Coal remaining on hand at Noon

130 " 355 "

P. M.				P.W.	2	29.82	81	82	80		bc	bc	5	L	
1				"	2	29.80	81	82	80		"	"	1	"	
2				"	3	29.80	81	83	82		or	"	0	"	
3				S.W.	2	29.79	81	83	82		bc	"	1	"	
4				S. S.W.	2	29.81	81	83	82		"	"	1	"	
5				"	2	29.82	80	82	80		"	"	1	"	
6				"	2	29.84	80	80	79		or	"	0	"	
7				"	1	29.86	80	80	79		"	"	0	"	
8				"	2	29.87	81	80	80		or	"	0	"	
9				"	2	29.89	81	80	80		"	"	0	"	
10				"	2	29.88	81	80	79		"	"	0	"	
11				"	3.6	29.87	81	80	79		or	"	0	"	
Mid.				"	3.6	29.87	81	80	79		or	"	0	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Under the command of

Commander Winfield Scott Riley  
Tuesday November 6<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and threatening throughout watch. Barometer falling. Wind light from S.W. increasing to moderate breeze.

(Signed) James K. Cogswell

From 4 to 8 A.M. Overcast. Raining. At 7, stopped distilling. Light S.W. breeze.

(Signed) Clinton K. Curtis

From 8 to Midnight. Overcast, raining. Light breeze from S.W. At 8.30 hauled five in two trils. Board of Sundry condemned and threw overboard 1/2 3<sup>rd</sup> pork.

(Signed) Samuel C. Lemly

From Midnight, to 4 P.M. Cloudy and raining. Light breeze from S. and W.

(Signed) Charles J. T. Moore

From 4 to 8 P.M. Cloudy and threatening first part. Raining latter part. Barometer rising.

(Signed) James K. Cogswell

From 8 to Midnight. Overcast, raining. Light breeze from S.W. Heavy rain squall last hour.

(Signed) Samuel C. Lemly

Examined and found to be correct.

(Signed) Asa Walfer

Navigator.



Steamer *Empire* 3<sup>rd</sup> Rate, 6 Guns,  
Cape Palmas, Liberia

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clouds, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				<i>P</i>	2	29.84	80	80	79		<i>bc</i>	<i>Thin</i>	<i>8</i>	<i>R</i>	
1					3	29.84	80	80	79		"	"	3	"	
2				<i>P.E.</i>	2	29.81	80	80	79		"	"	4	"	
3				<i>E.</i>	2	29.80	80	80	79		"	"	8	"	
4				<i>P.E.</i>	2	29.82	77	80	78		"	<i>Thin</i>	6	"	
5				<i>E.</i>	1.2	29.82	77	80	78		"	"	4	"	
6				<i>E.M.E.</i>	1.2	29.84	79	80	80		"	"	5	"	
7				"	1	29.86	80	81	80		"	"	5	"	
8				<i>E.</i>	1	29.86	80	81	80		"	<i>Thin</i>	5	"	
9				<i>E.P.E.</i>	1	29.86	81	82	81		"	"	4	"	
10				"	1	29.86	81	83	81		"	"	4	"	
11				"	1	29.86	81	83	82		"	"	4	"	
Noon.				"	1	29.86	81	83	82		"	"	4	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

1 tons 510 lbs.

Coal remaining on hand at Noon

128 " 2085 "

P. M.				<i>P.P.W.</i>	1	29.84	82	84	83		<i>bc</i>	<i>Thin</i>	<i>4</i>	<i>R</i>	
1				"	2	29.81	82	84	83		"	"	5	"	
2				"	2	29.80	82	84	83		"	"	4	"	
3				"	2	29.82	82	84	83		"	"	5	"	
4				<i>P.</i>	2	29.80	83	84	82		"	"	6	"	
5				"	2	29.82	82	83	81		"	"	8	"	
6				"	1	29.83	80	82	80		"	"	9	"	
7				"	1	29.85	81	82	80		"	"	9	"	
8				"	1	29.85	81	82	81		"	"	9	"	
9				"	1	29.86	81	82	82		"	"	8	"	
10				"	1	29.86	81	82	82		"	"	2	"	
11				"	1	29.86	81	82	82		"	"	2	"	
Mid.				"	1	29.86	81	82	82		"	"	2	"	

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



Under the command of

Commander Winfield Scott Pelee  
Wednesday November 7<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Light breeze from S.W. and E. Long swell from W.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 A.M. Partially cloudy and pleasant. Light breeze from W. and E. Barometer rising. At 8 loosed sail to day.

(Signed) James K. Cogswell

From 8 to Merid. Partially clear - Warm. Light E.S.E. breeze. Cum, thin, clouds. At 9.15 inspected at quarter.

(Signed) Clinton K. Curtis  
Lieut.

From Merid. to 4 P.M. Cloudy and warm. Light breeze from S.W. At 1.55 furled sail. Subsequent to gallant sails.

(Signed) Samuel C. Rensley  
Ensign.

From 4 to 8 P.M. Clear and pleasant. Light air from S.W. Long swell from S. and W.

(Signed) Charles F. T. Moore  
Ensign.

From 8 to Midnight. Clear and pleasant. Light southerly air first part of watch, cloudy latter part. Cum, thin, cloudy.

(Signed) Clinton K. Curtis  
Lieut.

Examined and found to be correct.

(Signed) Alva Watson  
Lieut.

Navigator.



Steamer

Essex

Rate,

6

Guns,

Cape Palmas, Liberia

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				E.P.E.	1		29.84	82	83	81		bc	Cumulus	9	R	
1				"	2		29.87	82	83	81		"	"	9	"	
2				"	2		29.80	82	83	81		"	"	8	"	
3				"	2		29.82	82	83	81		"	"	8	"	
4				"	1		29.82	78	80	79		"	"	7	"	
5				"	1		29.83	78	79	78		"	"	7	"	
6				"	1		29.85	79	81	80		"	"	7	"	
7				"	1		29.86	80	82	81		"	"	7	"	
8				"	1		29.88	81	83	82		"	"	7	"	
9				"	1		29.90	81	84	82		"	"	7	"	
10				"	1		29.90	81	84	80		"	"	7	"	
11				"	1		29.86	82	85	83		"	"	7	"	
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

128 " 1855 "

P. M.				P.	2		29.82	82	85	83		bc	Cumulus	7	L	
1				"	2		29.84	83	86	83		"	"	6	"	
2				"	2		29.82	83	86	83		"	"	4	"	
3				"	2		29.87	83	86	83		"	"	5	"	
4				"	2		29.83	83	84	82		"	"	6	"	
5				"	2		29.85	82	83	82		"	"	5	"	
6				"	2		29.86	82	82	81		"	"	5	"	
7				"	2		29.87	82	82	81		"	"	4	"	
8				"	12		29.89	82	83	81		"	"	4	"	
9				"	12		29.90	82	83	81		"	"	4	"	
10				"	2		29.90	82	83	81		"	"	2	"	
11				"	2		29.90	82	83	81		"	"	2	"	
Mid.				"	2							bc	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Under the command of

Commander Winfield Scott Schley  
Thursday November 8<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Clear and pleasant. Light breeze from E. S. E.  
(Signed) Samuel C. Leavelle <sup>Ensign</sup>
- From 4 to 8 A.M. Cloudy and pleasant. Light air from E. At 8 lowered sail to a bowerline -  
(Signed) Charles B. F. Thorne <sup>Ensign</sup>
- From 8 to Merid. Clear warm and pleasant. Light air from S. E. and E. At 9.15 inspected at quarters, exercised gun discipline at great gun. Crew engaged in scraping blocks.  
(Signed) James K. Cogswell <sup>Lieut.</sup>
- From Merid. to 4 P.M. Clear. Warm. Light E. by breeze. Sun, thin, clouds. At 1, shortened and furled sail.  
(Signed) Clinton K. Curtis <sup>Lieut.</sup>
- From 4 to 8 P.M. Cloudy, pleasant. Light breeze from S. E. and W. E. Light rain shower last hour. At 4.30 sent mail on board English steamer "Higer" in offing. At 5, "Higer" stood out to W. E.  
(Signed) Samuel C. Leavelle <sup>Ensign</sup>
- From 8 to Midnight. Partially cloudy. Pleasant. Light breeze from S. E. and W. E. Passing showers last hour.  
(Signed) James K. Cogswell <sup>Lieut.</sup>

Examined and found to be correct.

(Signed) Asa Watson <sup>Lieut.</sup>

Navigator.



Steamer *Essex* 3<sup>rd</sup> Rate, 6 Guns,  
Cape Palmas, Liberia

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sky, in fths.	State of the Sea.	Record of the roll (the vessel) is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1				S. by W.	1		29.89	81	82	82	bc	Sum. Mist	7	L
2				"	1		29.88	81	82	82	"	"	5	"
3				"	1		29.87	81	82	82	"	"	3	"
4				"	1		29.86	81	82	82	or	"	0	"
5				"	2		29.87	82	83	81	or	"	0	"
6				"	2		29.89	82	83	81	0	"	0	"
7				"	2		29.87	82	82	81	0	"	0	"
8				S.	1		29.85	82	82	81	or	"	0	"
9				"	1		29.81	81	81	80	"	"	0	"
10				"	1		29.82	80	81	80	"	"	0	"
11				"	1		29.84	79	80	79	"	"	0	"
Noon.				"	1		29.85	79	80	79	"	"	0	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Caught* during the preceding 24 hours

250 "

Water remaining on hand fit for use at Noon

2250 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

125 " 1585 "

P. M.														
1				S. by E.	1		29.83	80	80	79	or	Sum. Mist	0	L
2				"	1		29.83	80	81	79	"	"	0	"
3				S.	1		29.83	80	81	79	"	"	0	"
4				"	1		29.83	80	81	79	"	"	0	"
5				S. E.	1		29.84	80	80	79	"	"	0	"
6				E.	1		29.86	79	79	78	"	"	0	"
7				S. E.	1		29.88	78	79	77	"	"	0	"
8				S.	1		29.90	78	78	76	0	"	0	"
9				S. E.	1		29.92	78	78	76	"	"	0	"
10				"	1		29.93	78	78	76	"	"	0	"
11				"	1		29.92	78	78	76	"	"	0	"
Mid.				"	1		29.91	78	78	76	"	"	0	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

\*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Under the command of

Commander Winfield Scott Pelley  
Friday November 9<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant first part of watch. Overcast and raining last part. Light S. E. W. breeze. Some thin clouds.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Overcast. Heavy rain showers first and last hour. Light breeze from S. E. and W. E.

(Signed) Samuel C. Lundy  
Ensign.

From 8 to Noon. Overcast. Raining. Light air from S. E. At 9:30 Commanding Officer and Staff went ashore to hold a parlay with a native King.

(Signed) Charles F. T. Moore  
Ensign.

From Noon to 4 P.M. Overcast and raining. Light breeze from S. E. and E. S. E. Barometer steady.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 P.M. Overcast. Raining. Light variable air. Some thin clouds.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Cloudy and pleasant. Light air from W. E. and E. S. E.

(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Aea Walker  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the roll (the vessel is under) at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				N. A. E.	1		29.89	79	79	77	od	Hint	0		L	
1				"	1		29.89	79	79	77	0	"	0		"	
2				"	1		29.87	79	79	77	"	"	0		"	
3				"	1		29.86	79	79	77	"	"	0		"	
4				Calms	0		29.87	78	78	77	"	Even Hint	0		"	
5				"	0		29.89	77	78	77	bc	"	1		"	
6				"	0		29.91	77	78	77	"	"	1		"	
7				"	0		29.94	77	79	79	"	"	1		"	
8				A. N. W.	1		29.93	79	80	80	"	"	2		"	
9				"	1		29.92	80	81	80	"	"	3		"	
10				"	1		29.91	81	82	80	"	"	3		"	
11				"	1		29.90	81	82	80	"	"	2		"	
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

125 " 1885 "

P. M.																	
1				P. W.	1		29.90	81	82	80		0	Even Hint	0		L	
2				"	1		29.86	81	83	81		bc	"	1		"	
3				"	1		29.86	81	83	81		"	"	1		"	
4				"	1		29.86	81	84	82		"	"	1		"	
5				"	1		29.88	81	83	81		bc	"	1		"	
6				"	1		29.89	80	82	80		or	"	0		"	
7				"	1		29.91	80	81	80		0	"	0		"	
8				"	1		29.93	80	81	80		"	"	0		"	
9				P. E.	1		29.93	79	79	78		"	"	0		"	
10				A. N. W.	2		29.93	79	79	78		"	"	0		"	
11				A. N. W.	2		29.92	79	79	78		"	"	0		"	
Mid.				"	1		29.91	79	80	78		"	"	0		"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Under the command of

Commander Winfield Scott Schley  
Saturday November 10<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 4 A.M. Cloudy, drizzling rain first hour. Light  
air from N<sup>W</sup> and E. Barometer falling slowly. (Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy. Pleasant. Calm. Cumulus winter clouds.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Merid, Cloudy, pleasant. Light air from N<sup>W</sup> and W<sup>W</sup>.  
At 9.55 hoisted sail to a bowline. At 10, English steamer "Kincun" came in and anchored, sent her sail outboard. Wind shifting.

(Signed) Samuel C. Leach  
Ensign.

From Merid to 4 P.M. Cloudy and warm. Light air from N<sup>W</sup> and W<sup>W</sup>.

(Signed) Charles J. T. Moore  
Ensign.

From 4 to 8 P.M. Cloudy and rainy first part. Light breeze from  
S.W. Barometer rising. At 6, steamer "Kincun" shifted her anchorage.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Overcast, pleasant. Light breeze from N<sup>W</sup> and W<sup>W</sup>.  
At 11.30 English steamer "Kincun" left the harbor.

(Signed) Samuel C. Leach  
Ensign.

Examined and found to be correct.

(Signed) Asa Walker  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer

Ellis

Rate, 6 Guns,  
Cape Labrador, Litua

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				N.	2	29.91	80	80	79		0	Sum. Wind	0	L	
1				"	2	29.90	80	80	79		"	"	0	"	
2				"	2	29.88	80	79	77		"	"	0	"	
3				"	2	29.86	78	78	76		bc	"	4	"	
4				"	1	29.87	76	79	77		"	"	3	"	
5				"	1	29.87	76	79	77		"	"	3	"	
6				N. W.	1	29.95	78	79	77		"	"	2	"	
7				"	1	29.95	79	80	78		"	"	2	"	
8				"	1	29.92	79	82	79		"	"	3	"	
9				"	2	29.92	79	82	80		"	"	2	"	
10				W.	1	29.92	79	82	80		or	"	0	"	
11				"	1	29.92	79	82	80		"	"	0	"	
Noon.				"	1	29.92	79	82	80		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1750 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

128 " 1085 "

P. M.				W. S. W.	1	29.89	79	80	79		or	Sum. Wind	0	L	
1				"	1	29.87	79	80	79		"	"	0	"	
2				"	1	29.87	79	80	79		"	"	0	"	
3				"	1	29.87	79	80	79		"	"	0	"	
4				"	1	29.87	79	80	79		"	"	0	"	
5				S. S. W.	1	29.88	80	80	78		of	"	0	"	
6				S. W.	1	29.90	80	80	78		0	"	0	"	
7				"	1	29.91	80	80	79		"	"	0	"	
8				"	1	29.92	80	80	79		"	"	0	"	
9				N. and W. S. W.	0.1	29.92	80	80	79		bc	"	1	"	
10				"	0.1	29.92	80	81	80		"	"	2	"	
11				"	0.1	29.93	80	81	80		"	"	3	"	
Mid.				"	0.1	29.93	80	81	80		"	"	3	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Under the command of

Commander Winfield Scott Peck  
Sunday November 11<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Cloudy and pleasant. Light breeze from N. Ship rolling moderately. (Signed) Charles F. T. Moore  
Ensign.
- From 4 to 8 A.M. Cloudy - Pleasant. Light air from N<sup>th</sup> and W<sup>th</sup>. Barometer rising. (Signed) James K. Cogswell  
Lieut.
- From 8 to Merid. Cloudy and rainy latter part of watch. At 9.30 Commanding Officer inspected ship and crew at quarter, afterwards read prayer. (Signed) Clinton K. Curtis  
Lieut.
- From Merid. to 4 P.M. Overcast and rainy, with light air from W. S. W. Long rolling swell. At 3.30 a Portuguese steamer went to sea standing to W<sup>th</sup>. At 3.50 English steamer "Corisco" came in and anchored. (Signed) Samuel C. Remey  
Ensign.
- From 4 to 8 P.M. Overcast. Passing showers first hour. Light breeze from S<sup>th</sup> and W<sup>th</sup>. (Signed) Charles F. T. Moore  
Ensign.
- From 8 to Midnight. Cloudy and pleasant. Calm and light air from N<sup>th</sup> and W<sup>th</sup>. Long swell from S<sup>th</sup>. (Signed) Clinton K. Curtis  
Lieut.

Examined and found to be correct.

(Signed) Ara Walper  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "Cape Palmas" 3<sup>rd</sup> Rate 6 Guns.  
 Cape Palmas, Lithuania

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Drop of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is made at end of watch.
				Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1				Calme	0	29.93	79	80	79		bc	Cir Cum	2	L	
2				"	0	29.92	79	80	79		"	Cum	2	"	
3				"	0	29.91	78	80	79		"	Cum	1	"	
4				"	0	29.90	78	80	79		"	"	2	"	
5				"	0	29.89	78	80	79		"	"	3	"	
6				H.E.	1	29.91	79	80	79		"	"	3	"	
7				H.	1	29.93	80	81	80		"	"	4	"	
8				"	1	29.95	80	81	80		"	"	5	"	
9				"	1	29.95	80	81	80		"	Cir Cum	5	"	
10				"	1	29.93	80	83	81		"	"	5	"	
11				"	1	29.91	82	83	82		"	"	9	"	
Noon.				"	1	29.90	82	84	82		"	"	9	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

125 835 "

P. M.															
1				P.W.	1	29.88	82	84	82		bc	Cir Cum	6	L	
2				"	2	29.87	82	84	82		"	"	5	"	
3				"	2	29.85	82	84	82		"	"	5	"	
4				"	2	29.84	82	84	82		"	"	5	"	
5				"	2	29.83	82	84	82		0	Cum	0	"	
6				"	2	29.85	82	84	82		bc	"	3	"	
7				"	1	29.87	82	83	81		"	"	3	"	
8				"	1	29.90	81	83	81		"	"	2	"	
9				"	1	29.91	81	83	81		"	"	3	"	
10				"	1	29.92	81	83	81		"	"	3	"	
11				"	1	29.91	80	82	80		"	"	2	"	
Md.				"	1	29.91	80	82	80		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winifred Potts Pelley  
Monday November 12<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Cloudy. Pleasant. Calm. Comm. Wind, clouds.  
(Signed) Samuel C. Lundy Ensign.
- From 4 to 8 A.M. Cloudy. Warm. Calm and light variable air.  
(Signed) Charles B. T. Moore Ensign.
- From 8 to Noon, Clear. Warm. Light W. by N. breeze. At 8, loaded sail to a bowline and crossed topgallant yards. At 9-15 exercised at General quarters. Times as follows. East fore and main 9-10. 1<sup>st</sup> Div. 4<sup>th</sup> Div. 2<sup>nd</sup> Div. 3<sup>rd</sup> Div. 1<sup>st</sup> Div. 1<sup>st</sup> Div. 3<sup>rd</sup> Div. 30<sup>th</sup> Div. 1<sup>st</sup> Div. 1<sup>st</sup> Div. 45<sup>th</sup> Div. 2<sup>nd</sup> Div. 6<sup>th</sup> Div. 1<sup>st</sup> Div. 1<sup>st</sup> Div. 30<sup>th</sup> Div. 30<sup>th</sup> Div. British Steamship "Corisco" left the harbor. Guarded British bark "Francis Wiley" by order of Commanding Officer, placed Cornelius Pinson (Lde) in solitary confinement on bread and water, for not obeying orders of superior officer. Gave Lt. Leigh (O.P.C.) four hours extra duty. A. Mc Fasten (O.P.C.) four hours extra duty for having clothes in locker bag, and Charles Goodale (O.P.C.) four hours extra duty for being out of uniform.  
(Signed) James K. Cogswell, Lieut.
- From Noon to 4 P.M. Clear. Warm. Light S.W. breeze. Calm, Comm, clouds. At 3.45 finished sail.  
(Signed) Clinton K. Lunt, Lieut.
- From 4 to 8 P.M. Partially cloudy. Pleasant. Light breeze from S.W. Barometer rising. At sundown put down topgallant yards.  
(Signed) Samuel C. Lundy Ensign.
- From 8 to Midnight. Cloudy. Pleasant. Light S.W. breeze. Comm, Wind, clouds. Observed daylight. By order of Commanding Officer, placed Cornelius Pinson (Lde) from solitary confinement and confined him in fore passage.  
(Signed) James K. Cogswell, Lieut.

Examined and found to be correct.

(Signed) Asa Wadsworth  
Lieut.

Navigator.



Steamer

Clyde

3<sup>rd</sup> Rate 6  
Cape Palmas & Taton Liberia

Guns.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETRIC.		TEMPERATURE.			State of the Weather, by symbols.	Force of Winds, by symbols.	Depth of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P. W.	1		29.89	82	83	81		bc	Comm Wind	5	L	
1				"	1		29.87	82	83	81		bc	"	4	"	
2				"	2		29.87	82	83	81		"	"	6	"	
3				"	1		29.86	82	83	81		"	"	6	"	
4				"	1		29.85	82	82	80		"	"	6	"	
5				"	1		29.85	78	82	80		"	"	5	"	
6				"	1		29.87	79	83	81		"	"	4	"	
7				"	1		29.90	81	83	81		"	"	4	"	
8				E. S. E.	1		29.89	82	84	82		"	"	4	"	
9				"	1		29.88	82	85	83		"	"	4	"	
10				"	1		29.87	82	86	84		"	Com	6	"	
11				"	1		29.86	83	86	84		"	"	7	"	
Noon.			Under way	"	1							"	"			

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1250 "

Coal consumed during the preceding 24 hours

5 tons 810 lbs.

Coal remaining on hand at Noon

123 " 25 "

P. M.	4:00	E. S. E.	P. E.	1	29.85	83	85	83	bc	Com	7	L	
1			"	1	29.84	83	85	83	"	"	5	"	
2	Standing in for Taton.	"	"	1	29.84	83	85	83	"	"	1	"	
3	At Anchor	P. W.	1	29.83	84	86	84	"	"	"	1	"	
4		"	1	29.85	83	86	84	"	"	"	1	"	
5		"	1	29.85	82	85	83	"	"	"	1	"	
6		"	1	29.87	82	85	83	"	"	"	1	"	
7		S. S. W.	1	29.87	81	85	82	"	"	"	1	"	
8		"	1	29.89	82	85	82	"	"	"	3	"	
9		"	1	29.90	82	85	82	"	"	"	4	"	
10		"	2	29.90	82	85	82	"	"	"	5	"	
11		"	1	29.89	82	84	82	"	"	"	4	"	
Mid.													

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Under the command of

Commander Winfield Scott Schley  
Tuesday November 13<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Partially cloudy, pleasant. Light breeze from S.W. and W. shifting to E. last hour.

(Signed) Clinton K. Gault  
Lieut.

From 4 to 8 A.M. Partially cloudy. Pleasant. Light air from E. Barometer rising. At 6.30 hoisted smoke pipe. At 8, started fire in four boilers. British bark "Francis Wiley" got underway but wind falling and lost again.

(Signed) Samuel C. Lundy  
Ensign.

From 8 to Midnight, Clear. Warm. Light S.E. breeze. At 10.30 Governor of Palmar and staff came on board for passage. At 11, got underway and stood down the coast under direction of Navigator. Draught forward 13 feet 10<sup>in</sup>. Amidships 14 feet 10<sup>in</sup>. Aft 15 feet 11<sup>in</sup>. Steaming under four boilers.

(Signed) Charles F. T. Moore  
Ensign.

From Midnight to 4 P.M. Cloudy and warm. Light variable air. At 2.15 came to anchor off Taton Point in 8 1/2 fathoms water, buoy to 4 1/2 fathoms port chain. Heaving at anchor. Taton Point N.W. of Taton Point E. by N. 1/4 N. Ship's head S.E. Draught forward 13 feet 10<sup>in</sup>. Amidships 14 feet 10<sup>in</sup>. Aft 15 feet 11<sup>in</sup>. A messenger from the King of the tribe at Taton, came on board with offer to pilot the boat ashore. Sent boat ashore with Marshal of Cape Palmar, and Mr. Allison, the interpreter, with letters to the King and some presents. Pumped fire in four boilers. Steam pressure 35 lbs.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 P.M. Partially cloudy, pleasant. Light S.W. breeze. Barometer rising. Fire pumped in four boilers. Drift in operation. Librarian officials returned on board.

(Signed) Clinton K. Gault  
Lieut.

From 8 to Midnight. Cloudy, pleasant. Moonlight. Light breeze from S.W. and W. Fire pumped in four boilers. Steam pressure 25 lbs. Drifting.

(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Ara Watson  
Lieut.

Navigator.



Steamer

Essex

Labou,

Libnia

Rate,

6

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky in fms.	State of the Sea.	Record of the soil the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1				Calu	0	29.86	82	83	81		bc	Cum	5	L	
2				"	0	29.84	82	83	81		"	"	8	"	
3				N. N. W.	1	29.84	82	83	81		"	"	7	"	
4				"	1	29.83	82	83	81		bc/p	"	5	"	
5				N. E.	1	29.83	82	83	81		bc	"	5	"	
6				S. S. E.	1	29.83	82	83	81		"	"	5	"	
7				"	1	29.87	82	83	83		"	"	5	"	
8				"	1	29.90	82	84	83		"	"	5	"	
9				"	1	29.90	82	85	83		"	Cu	6	"	
10				"	2	29.89	83	85	83		"	"	7	"	
11				"	2	29.88	85	86	84		"	"	7	"	
Noon.				"	2	29.88	85	86	84		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

2 tons 1270 lbs.

Coal remaining on hand at Noon

120 " 995 "

P. M.															
1				P. P. E.	1	29.87	85	87	84		bc	Cu	4	L	
2				"	1	29.86	85	87	84		"	"	5	"	
3				"	2	29.84	85	87	84		"	"	5	"	
4				"	1	29.82	86	86	84		"	Cum	4	"	
5				P.	1	29.83	86	86	84		"	"	2	"	
6				"	1	29.85	85	85	83		bc	"	1	"	
7				S. N. W.	1	29.87	85	85	83		bc	"	2	"	
8				"	1	29.90	85	85	82		"	"	2	"	
9				"	1	29.91	84	85	82		"	"	6	"	
10				"	1	29.91	83	85	83		"	"	6	"	
11				"	1	29.90	83	85	83		"	"	4	"	
Mid.				"	1	29.89	83	85	83		"	"	4	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by Azimuth at 4 P. M.

19.15.00 W.



Under the command of

Commander Winfield Scott Peeling  
Wednesday November 14<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Light air from N<sup>W</sup> and W<sup>W</sup> latter part of watch, calm first part. Fire pumped in four trials. Distilling.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Partially cloudy. Pleasant. Light air from N<sup>W</sup> and E<sup>W</sup>, shifting to S<sup>W</sup> and E<sup>W</sup>. Barometer rising. Fire pumped in four trials. Distiller in operation.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Noon. Clear. Warm. Light P.P.E. breeze. Clear, Cum, clouds. At 9.15 inspected at quarter. At 11.55 King Minla and suite visited the ship, officially, for purpose of conferring with Commanding Officer and Lithuanian Commissioner. Fire pumped in four trials. Steam pressure 25 lb. Distilling.

(Signed) Samuel E. Lundy  
Ensign.

From Noon to 4 P.M. Cloudy. Pleasant. Light air from P.P.E. Fire pumped in four trials. Steam pressure 25 lb. Distilling.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 P.M. Cloudy and pleasant. Light air from S<sup>W</sup> and W<sup>W</sup>. At 4, King Minla and suite left the ship. Fire pumped in four trials. Steam pressure 25 lb. Distilling.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Cloudy. Pleasant. Light P.W. breeze. Cum, Minla, clouds. Fire pumped in four trials. Steam pressure 25 lb. Distilling.

(Signed) Samuel E. Lundy  
Ensign.

Examined and found to be correct.

(Signed) Ada Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer

Essex

Rate, 3<sup>rd</sup> Gun, 6  
Tabor & Cape Tabor, Liberia

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				P. W.	1	29.84	82	84	82		bc	Summit	2	L	
1				P. W.	1	29.86	82	84	82		"	"	6	"	
2				E. N. E.	1	29.85	82	84	82		"	"	4	"	
3				"	1	29.87	82	84	82		"	"	5	"	
4				H. E.	1	29.86	80	82	84		"	"	2	"	
5				H.	1	29.85	79	81	80		o	"	0	"	
6				H. N. W.	1	29.86	80	81	80		or	"	0	"	
7				H. W.	1	29.85	80	82	80		bc	"	0	"	
8				"	1	29.87	82	83	82		"	Summit	4	"	
9				"	1	29.88	83	85	83		"	"	5	"	
10				"	1	29.87	83	86	83		"	"	3	"	
11				H. S. W.	1	29.85	84	87	84		"	"	3	"	
Noon.				H. W.	1										

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

3 tons 2080 lbs.

Coal remaining on hand at Noon

116 " 1155 "

P. M.													
1	5 1/2	4	W. by S.	P. W.	1	29.82	84	86	84	bc	Summit	2	L
2	5 1/2	4	W. by N.	"	1	29.80	84	85	84	"	"	3	"
3			W. by N.	"	1	29.80	83	85	83	"	Summit	3	"
4			At Anchor	B. P. W.	1	29.79	83	85	83	"	"	2	"
5				"	1	29.80	85	85	83	o	"	0	"
6				"	2	29.82	85	85	83	"	"	0	"
7				"	2	29.84	84	85	83	bc	"	4	"
8				"	2	29.86	84	85	83	o	"	0	"
9				"	2	29.87	84	85	83	or	"	0	"
10				"	1	29.88	83	85	83	or	"	0	"
11				"	1	29.88	83	85	83	or	"	0	"
Mid.				"	1	29.88	83	85	83	o/c	"	0	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Under the command of

Commander Winfield Scott Schley  
Thursday November 15<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Pleasant. Light variable air. Fire tanked in four boilers. Steam pressure 25 lb. Distilling.

(Signed) Charles B. T. Moore

Ensign.

From 4 to 8 A.M. Cloudy and pleasant. Light air from N<sup>o</sup> and W<sup>o</sup>. Put boat ashore with Marshal of Cape Palmas, and Mr. Allison the interpreter. Fire tanked in four boilers. Steam pressure 25 lb. Distilling.

(Signed) James K. Cogswell

Lieut.

From 8 to 11 A.M. Partially cloudy. Pleasant. Light air from N<sup>o</sup> and W<sup>o</sup>. Shifting to S<sup>o</sup> and W<sup>o</sup>. At 9:15 inspected at quarter. At 10:45 brought to on port chain, and at 11, called all hands up anchor, hoisted up, and stood out from station. Draught forward 15 ft 10<sup>in</sup>. Amidships 14 ft 10<sup>in</sup>. Aft 15 ft 11<sup>in</sup>. Steaming with four boilers. At 12, changed course to W. by S.

(Signed) Clinton K. Curtis

Lieut.

From 11 A.M. to 4 P.M. Clear. Warm. Light S.W. air. Steaming up coast for Palmas. At 2:50 came to off Cape Palmas in 6 1/2 fathoms water, being to 45 fathoms port chain. Draught forward 15 ft 10<sup>in</sup>. Amidships 14 ft 10<sup>in</sup>. Aft 15 ft 11<sup>in</sup>. Steaming at anchor. Light House bore (true) S.E. 3/4 E. distant 1 1/2 miles. Hauled fire in two boilers.

Superintendent and Marshal of Maryland County, Fortification and attendant left the ship. At 3:45 commenced distilling. Fire tanked in two boilers. Steam pressure 25 lb.

(Signed) Samuel C. Rumbly

Ensign.

From 4 to 8 P.M. Overcast, passing showers. Light breeze from S.E.W. By order of Commanding Officer, Harman Thompson (2d Lieut.) was confined in double iron, for refusing and neglecting duty. Fire tanked in two boilers. Distilling.

(Signed) Charles B. T. Moore

Ensign.

From 8 to Midnight. Cloudy. Frequent passing showers, thunder & lightning to N<sup>o</sup>. Light air from S<sup>o</sup> and W<sup>o</sup>.

(Signed) Clinton K. Curtis

Lieut.

Examined and found to be correct.

(Signed) Asa Walpole

Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at f.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				P.W.	1		29.86	82	84	82		hrc	hrc	0	L	
2				"	1		29.85	81	83	81		"	"	0	"	
3				"	1		29.84	80	82	80		"	"	0	"	
4				"	1		29.82	80	82	80		"	"	0	"	
5				H.E.	1		29.83	81	82	81		ob	"	0	"	
6				"	1		29.85	81	82	80		"	Cloud	0	"	
7				H.M.W.	1		29.86	81	82	80		bc	"	3	"	
8				"	1		29.87	80	82	80		o	"	0	"	
9				H.W.	1		29.87	80	82	80		"	"	0	"	
10				"	1		29.88	80	82	81		or	"	0	"	
11				Calu	0		29.87	80	82	81		o	"	0	"	
Noon.				E.H.E.	1		29.85	80	82	80		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

900 "

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

1 tons 1540 lbs.

Coal remaining on hand at Noon

114 " 1855 "

P. M.																
1				E.H.E.	1		29.85	82	83	82		o	Cloud	0	L	
2				H.M.W.	1		29.87	82	84	82		"	"	0	"	
3				P.W.	1		29.89	83	84	82		bc	"	1	"	
4				"	1		29.89	83	84	82		"	"	1	"	
5				"	1		29.88	83	84	82		"	Exp	3	"	
6				"	1		29.87	82	84	82		"	"	3	"	
7				"	1		29.87	81	83	82		"	"	3	"	
8				"	1		29.87	80	83	82		"	"	4	"	
9				"	1		29.87	80	83	82		"	"	4	"	
10				H.E.	1		29.87	80	83	82		"	"	4	"	
11				H.	1		29.88	81	83	82		"	"	5	"	
Md.				H.E.	2		29.88	81	83	82		"	"	6	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



der the command of

Commander Winfield Scott Schley  
Friday November 16<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Rainy. Light S.W. air. <sup>to</sup> time  
bunkered in two boilers. Steam pressure 30 lbs. Distilling-  
(Signed) Samuel C. Rensley  
Ensign

From 4 to 8 A.M. Overcast. Falling shower. Lightning. Light variable air.  
Fire bunkered in two boilers. Distilling-  
(Signed) Charles F. T. Moore  
Ensign

From 8 to Merid, Cloudy and warm. Calm. Variable air. At 9.15  
expended at fire quarters. Coal lost in 1<sup>st</sup> 55<sup>lb</sup>? Consumed in 1<sup>st</sup> 40<sup>lb</sup>? An  
English steamer came in and anchored. Fire bunkered in two boilers -  
Boarded English steamer and sent Mail to United States.

(Signed) James K. Cogswell  
Lieut.  
From Merid, to 4 P.M. Cloudy. Warm. Light variable air. Barometer  
rising. British steamer "Fording" left the harbor.  
(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 P.M. Partially clear. Pleasant. Light S.W. air. Clear, sun,  
clouds. Fire bunkered in two boilers. Steam pressure 30 lbs. Distilling-  
(Signed) Samuel C. Rensley  
Ensign

From 8 to Midnight. Cloudy. Pleasant. Light variable air. Fire bunkered  
in two boilers. Steam pressure 25 lbs. Distilling-  
(Signed) James K. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Osa Walpole  
Lieut

Navigator.



*Steamer Esmeralda* <sup>Vol.</sup> 5<sup>th</sup> Rate, 6 Guns,  
Cape Palmas, Liberia & At Sea.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Current, by symbols.	State of the Sea.	Record of the mill (the vessel is under way) at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				N.E.	1		29.85	79	82	80		bc	Clouds	2		
2				"	1		29.83	79	82	80		"	"	2		
3				"	1		29.83	79	82	80		"	"	3		
4				"	1		29.81	79	82	80		"	"	4		
5				E.	1		29.82	80	82	80		"	"	8		
6				S.E.	1		29.84	80	82	81		"	bc	8		
7				"	1		29.86	81	83	82		"	"	7		
8				"	1		29.88	81	83	82		"	"	8		
9				"	1		29.90	82	84	83		"	"	6		
10	8 0		E.S.E.	"	1		29.89	83	85	83		"	"	5		
11	7 4		"	"	1		29.88	83	86	84		"	"	5		
Noon.	5 4		"	"	1		29.87	83	86	84		"	"	5		

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water *Consumed* during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

21 knots 0 fathoms.

4. 16.00-11.

7. 19.00-11.

250 gallons.

300 "

2700 "

6 tons 1928 lbs.

107 " 2167 "

P. M.	Knots.	Fathoms.	Course steered.	WINDS.	Leeway.	Baromet.	Ther.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather.	Force of Clouds.	Direction of Current.	State of the Sea.	Record of the mill.
1	8 0		E.S.E.	S.P.W.	2	29.82	83	85	82	85	bc	Clouds	5		
2	8 2		"	S.W.	3	29.79	83	85	85	85	"	"	6		
3	8 4		"	S.W.	3	29.77	82	84	85	85	"	bc	8		
4	9 2		"	"	3	29.78	82	84	85	84	"	"	5		
5	9 0		"	"	3	29.80	82	84	85	84	"	"	5		
6	9 0		"	"	3	29.82	82	84	85	84	bc	Clouds	2		
7	8 6		"	"	3	29.86	81	83	80	84	bc	"	3		
8	9 0		"	"	3	29.86	81	83	80	84	bc	"	5		
9	8 6		"	"	3	29.87	81	82	80	84	bc	"	6		
10	9 0		"	"	4	29.89	81	83	81	84	"	"	1		
11	8 6		"	"	3	29.87	82	84	82	84	"	"	4		
Mid.	7 0		"	E.	4.7	29.90	82	84	82	84	bc	"	0		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

Steaming 4 boilers.  
All uplain sail  
Except fore & f. for  
hull, & 1st, 2nd, 3rd



Under the command of

Commander Winfield Scott Selig  
Saturday November 17<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy. Light air from N<sup>W</sup> & E<sup>SE</sup>.  
Barometer falling. Fire hauled in two boilers. Distiller in operation.  
(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Clear. Warm. Calm and light air. Sea, calm, clouds.  
Made preparations for sea. At 6, stopped distiller and spread fire. Put  
light sails. At 7.45 brought to port chain and hove in to 15 fathoms.  
Steam pressure 25 lbs.  
(Signed) Samuel C. Lundy  
Surgeon

From 8 to Noon. Clear. Warm. Light air from S.E. At 8.10 got underway.  
Steaming with four boilers. At 9, took departure. Cape Palmas bearing (true)  
N. 1/4 E. distant 4 1/2 miles. Draught forward 13 feet 9 1/2 inches. Ammunition 14 ft. 10 inches.  
Aft 15 feet 11 inches. At 10.15 set main by sail. Steam pressure 61 lbs. Put 48.  
(Signed) Charles B. T. Moore  
Surgeon.

From Noon to 4 P.M. Cloudy and warm. Light breeze from S<sup>W</sup> and W<sup>SW</sup>.  
At 2, crossed light yards and made sail to top gallant sails. At 3.15  
set royals. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 50.  
(Signed) James K. Cogswell  
Lieut.

From 4 to 6 P.M. Partially cloudy. Rain squalls last hour. Light breeze  
from S<sup>W</sup> and E<sup>SE</sup>. At 5.30 stop in royals and flying jib. Steaming  
with four boilers. Steam pressure 60 lbs. Revolutions 45.  
(Signed) Clinton K. Curtis  
Lieut.

From 6 to 8 P.M. Partially clear. Pleasant. Passing showers. Moderate S.W. breeze.  
Sea, calm, clouds. Lightning to N<sup>W</sup> and E<sup>SE</sup>. Steaming with four boilers. Steam  
pressure 55 lbs. Revolutions 45.  
(Signed) Samuel C. Lundy  
Surgeon.

From 8 to Midnight. Cloudy, pleasant first part. Moderate S.W. breeze.  
Wind hauling, stop in all sail at 11.30. At 11.40 struck by a heavy squall  
from E<sup>SE</sup>. Steaming with four boilers. Steam pressure 60 lbs.  
(Signed) Charles B. T. Moore  
Surgeon.

Examined and found to be correct.

(Signed) Ada Walpus  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather, by symbols.	Force of Gale, by symbols.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. and.	Air Dry Bulb.	Air Wet Bulb.				
A. M.													
1	4 2		E. S. E.	N. E.	3	29.87	78	78	76	84	or	Hint	0 H.
2	6 0		"	"	3	29.84	79	78	76	84	"	"	0 "
3	6 4		"	"	3	29.82	77	78	76	83	"	"	0 "
4	6 6		"	E. by N.	2	29.83	77	79	78	83	"	"	0 "
5	7 0		"	"	12	29.83	77	79	78	83	bc	"	1 "
6	6 4		"	E. by S.	1	29.85	79	81	79	83	"	6 in	1 " Head sail, Main
7	7 0		"	"	1	29.87	81	82	80	84	"	"	3 " try sail & sprang
8	7 0		"	"	1	29.88	81	82	81	84	"	"	4 " "
9	7 4		"	P. S. E.	1	29.89	81	83	81	84	"	"	4 " "
10	7 2		"	"	1	29.89	81	84	81	84	"	"	6 " "
11	7 2		"	"	1	29.89	81	85	82	84	"	"	6 " "
Noon.	6 4		"	"	1	29.87	82	85	82	84	"	"	6 " "

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time 0 knots 4 fms. per hour, setting to the N. E. by E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.40 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

182 knots 6 fathoms.

3.59.12" N.

4.17.00" W.

4.10.00" N.

4.10.30" W.

20.40.00" W.

250 gallons.

2400"

8 tons 186 lbs.

99 " 1981 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Ther. and.	Air Dry Bulb.	Air Wet Bulb.	State of the Weather, by symbols.	Force of Gale, by symbols.	State of the Sea.	Record of the mill the vessel is under at end of watch.
1	7 2		E. S. E.	P. E. by S.	1	29.84	84	86	82	84	bc	6 in	7 " Head sail, Main
2	7 0		"	"	1	29.82	84	86	83	84	"	"	4 " try sail & sprang
3	6 6		"	"	1	29.80	84	85	83	84	"	"	8 " "
4	6 6		"	"	1	29.81	84	86	83	84	"	"	5 " "
5	7 0		"	"	1	29.82	84	85	82	84	"	"	1 " "
6	7 0		"	P. S. E.	1	29.83	83	85	82	84	"	"	0 " "
7	7 4		"	"	1	29.85	83	85	82	84	"	"	5 " "
8	7 4		"	"	1	29.87	83	85	82	84	"	"	7 " "
9	7 0		"	E. S. E.	1	29.89	83	85	82	84	"	"	6 " "
10	7 4		"	"	1	29.87	83	85	82	84	"	"	7 " "
11	7 6		"	P. S. E.	2	29.87	82	83	81	84	"	"	5 " "
Mid.	7 4		"	"	1	29.86	82	83	82	84	"	"	3 " "

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Under the command of

Commander Winfield Scott Schley  
Friday November 18<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Breeze and fair - Moderate breeze from N.E. and E. Steaming with 4 boilers. Steam pressure 45 lb. - Revolutions 35.  
(Signed) James K. Cogswell

From 4 to 6 A.M. Partially cloudy - Pleasant - Light breeze from N.E. and E. shifting to S.E. Barometer rising - Steaming with four boilers. At 5-15 set fire and aft sail.  
(Signed) Clinton K. Curtis

From 6 to 8 A.M. Clear - Warm - Light S.E. air. Six guns, loud. Got order of Commanding Officer, Human Transportation (2 C.F.) was released from confinement. At 9-30 Commanding Officer inspected ship and crew at quarters. Lowest topsails and foresail set dry. At 11-40 hauled down and stowed head sails. Steaming under four boilers. Steam pressure 65 lb. - Revolutions 43. Temp. of boiler 102°.  
(Signed) Samuel C. Rensley

From 8 to 4 P.M. Clear - Warm - Light air from S.E. and E. Steaming with four boilers. At 1-20 furled topsails and foresail. At 1-45 hauled down light yards. At 3-15 set head sails. Steam pressure 60 lb. - Revolutions 41. Temp. of boiler 106°.  
(Signed) Charles F. T. Moore

From 4 to 6 P.M. Cloudy and warm. Light air from S.E. and E. At 5 hauled down head sails and trailed up masts. Steaming with four boilers. Steam pressure 55 lb. - Revolutions 40.  
(Signed) James K. Cogswell

From 6 to 8 P.M. Clear and pleasant - Light air from S.E. and E. Barometer rising - Steaming with four boilers. Steam pressure 55 lb. - Revolutions 40. Temp. of boiler 120°.  
(Signed) Clinton K. Curtis

From 8 to Midnight. Clear - Pleasant - Bright moonlight. Six guns, loud. At 10-45 haws spring up from S.E. and W. set all fore and aft sail. Steaming with four boilers. Steam pressure 61 lb. - Revolutions 41. Temp. of boiler 110°.  
(Signed) Samuel C. Rensley

Examined and found to be correct.

(Signed) Ada Walpen

Navigator.



Steamer *Essex* At Sea.

Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Current set and strength.	WINDS.		Leeway.	BAROMETERS.		TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in faths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 5 ft.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.			E.P.E.	P.P.E.	L		29.85	83	84	82	83	h	Clear		5		Fore and aft sail.
1	7	2	"	"	L		29.84	83	84	81	83	"	"		5	"	"
2	7	4	"	"	L		29.82	83	84	81	83	"	"		5	"	"
3	7	2	"	"	L		29.83	83	84	81	83	"	"		4	"	"
4	7	4	"	P. 4 E.	L		29.84	83	83	80	83	"	"		8	"	"
5	7	0	"	"	3		29.84	82	84	82	85	"	"		1	"	"
6	7	0	"	"	3		29.88	82	84	82	85	"	"		8	"	"
7	7	0	"	"	L		29.89	82	85	82	85	"	"		9	"	"
8	7	6	"	"	L		29.90	83	87	84	85	"	"		7	"	Roll with topsails and fore sail.
9	7	0	"	"	L		29.91	83	87	84	85	"	"		7	"	"
10	7	2	"	"	L		29.91	84	87	84	85	"	"		7	"	"
11	7	0	"	"	L		29.89	84	88	85	85	"	"		7	"	"
Noon.	6	2	"	"	L												"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time 0 knots 6 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

17 knots 6 fathoms.  
 3. 53.00" N.  
 1. 17.30" W.  
 4. 04.16" W.  
 1. 04.15" W.  
 H.E. 1/2 E.  
 21. 30.00" W.  
 250 gallons.  
 2100 "  
 8 tons 178 lbs.  
 91 " 1803 "

P. M.	Knots.	Fathoms.	Current set and strength.	WINDS.	Direction.	Force.	Leeway.	Barometers.	Therm. at 5 ft.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction and Force of Wind.	State of the Sea.	Record of the roll the vessel is under at end of watch.
1	7	2	E.P.E.	P.P.W.	L			29.87	84	87	84	85	h	Clear		Fore and aft sail.	
2	7	2	"	P.P.W.	L			29.84	84	87	84	85	"	"	8	"	
3	7	4	"	"	L			29.82	84	87	84	85	"	"	8	"	
4	7	6	"	"	L			29.82	84	87	84	85	"	"	8	"	
5	7	0	"	P. 4 W.	L			29.83	84	86	84	85	"	Clear		Fore and aft sail.	
6	7	0	"	"	L			29.84	83	85	83	85	"	"	4	"	
7	7	0	"	"	L			29.85	83	85	82	85	"	"	2	"	
8	7	0	"	"	L			29.86	83	85	83	85	"	"	3	"	
9	7	0	"	"	L			29.90	83	85	83	85	"	"	4	"	
10	7	4	"	"	L			29.90	83	84	81	85	"	"	5	"	
11	7	4	"	"	L			29.90	82	84	81	85	"	"	5	"	
Mid.	7	0	"	"	L			29.91	82	84	81	85	"	"	5	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

24. 11. 11



Under the command of

Commodore Winfield Scott Perry  
Monday November 19<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy - Moonlight - Light breeze from S. by E. Steaming with four boilers. Steam pressure 60 lbs. - Revolutions 42 - Temp. of boiler 104°.

(Signed) Charles F. T. Moore

From 4 to 8 A.M. Clear and warm. Light breeze from S. and E. by S. At 8 set foreail. Steaming with four boilers. Steam pressure 55 lbs. - Revolutions 44.

(Signed) James K. Cogswell

From 8 to Noon. Clear. Warm. Pleasant. Light breeze from S. Steaming with four boilers. At 8-15 set topsails and foreail. At 9-15 expended at general quarters. Steam pressure 55 lbs. - Revolutions 42.

(Signed) Clinton K. Curtis

From Noon to 4 P.M. Clear. Warm. Light S. by W. breeze. Clear, blue, clouds. Steaming with four boilers. Steam pressure 60 lbs. - Revolutions 40.

(Signed) Samuel C. Rensley

From 4 to 6 P.M. Clear. Warm. Light breeze from S. by W. Steaming with four boilers. At 5-50 stop in and fueled topsail and foreail.

(Signed) Charles F. T. Moore

From 6 to 8 P.M. Cloudy and warm. Light breeze from S. and W. by S. Steaming with four boilers. Steam pressure 55 lbs. - Revolutions 38.

(Signed) James K. Cogswell

From 8 to Midnight. Clear and pleasant. Light air from S. and W. by S. Steam pressure 58 lbs. - Revolutions 41. Temp. of boiler 106°. Steaming with four boilers.

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Asa Walper

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	7	2	E. S. E.	S. P. W.	1.2	29.86	82	84	82	84	bc	Cum 6	6		Fore and aft sail
2	8	0	"	"	2	29.84	82	84	82	84	"	"	7	"	and foresail.
3	7	4	"	S. W.	2	29.82	82	84	82	84	"	"	7	"	"
4	7	2	"	"	2	29.82	82	84	82	84	"	"	7	"	"
5	7	0	"	"	2	29.84	82	84	82	84	"	Cum 6	6	"	"
6	7	0	"	"	2	29.85	82	84	82	84	"	"	5	"	"
7	7	2	"	"	2	29.87	82	84	82	84	"	"	2	"	"
8	7	2	"	"	2	29.88	82	84	82	84	"	"	2	"	"
9	7	6	"	S.	3	29.89	80	85	85	84	"	"	2	"	"
10	8	2	"	"	3	29.89	80	85	81	84	0	"	0	"	"
11	7	6	"	"	3	29.87	80	85	83	84	bc	"	1	"	"
Noon.	6	0	"	S. W. by S.	3	29.86	82	85	85	84	0	"	0	"	Fore and aft sail

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time / knots 4 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.40 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

174 knots 6 fathoms.

3.47.16. N.

1.49.00. E.

4.06.15. N.

2.16.15. E.

21.00.00. W.

250 gallons.

1800 "

8 tons 330 lbs.

83 " 1473 "

P. M.	5	4	E S E	P. W. S. S	1	29.84	83	86	84	84	bc	Cum	1	1	Fore and aft sail
1	5	0	E. S. E. <td>P. W. S. S<td>1</td><td>29.84</td><td>83</td><td>86</td><td>84</td><td>84</td><td>bc</td><td>Cum</td><td>1</td><td>1</td><th>Fore and aft sail</th></td>	P. W. S. S <td>1</td> <td>29.84</td> <td>83</td> <td>86</td> <td>84</td> <td>84</td> <td>bc</td> <td>Cum</td> <td>1</td> <td>1</td> <th>Fore and aft sail</th>	1	29.84	83	86	84	84	bc	Cum	1	1	Fore and aft sail
2	7	6	"	"	1	29.80	83	86	84	84	"	"	2	"	fore sail, topsails
3	7	6	"	"	1.2	29.80	83	86	83	84	0	Cum	0	"	9. J. sails.
4	7	0	"	"	1.2	29.79	83	86	83	84	"	"	0	"	"
5	7	4	"	P. S. W. <td>3</td> <td>29.80</td> <td>81</td> <td>84</td> <td>82</td> <td>84</td> <td>bc</td> <td>"</td> <td>1</td> <td>"</td> <th>Same, except fore sail</th>	3	29.80	81	84	82	84	bc	"	1	"	Same, except fore sail
6	7	6	"	"	3	29.80	81	84	82	84	"	"	1	"	"
7	8	0	"	"	3	29.85	81	83	81	84	"	"	1	"	"
8	7	4	"	"	3	29.85	81	83	81	84	"	"	1	"	"
9	7	0	"	"	3	29.85	81	83	81	84	0	"	0	"	"
10	7	0	"	"	3	29.84	81	83	81	84	"	"	0	"	"
11	7	0	"	"	3	29.84	81	83	81	84	bc	"	3	"	"
Mid.	7	6	"	"	3	29.83	81	83	81	84	"	"	1	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Schley  
 This day November 20<sup>th</sup>

, 1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Light S.W. breeze. Sea, calm, clouds. Bright moonlight. At 3, set foremast. Steaming with four boilers. Steam pressure 60 lbs. Revolution 40. Temp. of tank 110°.

(Signed) Samuel C. Remy Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Light breeze from S.W. Steaming with four boilers. At 5.40 sighted an English bark standing to S. and E. Exchanged color. Steam pressure 55 lbs. Revolution 40.

(Signed) Charles F. T. Mow Ensign.

From 8 to Merid, Cloudy and warm. Gentle breeze from S. and W. At 9.15 inspected at quarters. Drilled crew in the Manual of Small arms. At 10, T. J. Jards and Wards sail to T. J. sails. Steaming with four boilers. Steam pressure 65 lbs. Revolution 41.

(Signed) James K. Cogswell Lieut.

From Merid, to 4 P.M. Cloudy. Warm. Light breeze from S. and W. Gunners falling. Steaming with four boilers. Steam pressure 55 lbs. Revolution 40.

(Signed) Clinton H. Curtis Lieut.

From 4 to 6 P.M. Overcast, slight sprinkling of rain. Sea, calm, clouds. At 4.15, wind hauling, took in T. J. sails and foremast and triced up. Steaming with four boilers. Steam pressure 60 lbs. Revolution 40.

(Signed) Samuel C. Remy Ensign.

From 6 to 8 P.M. Cloudy. Pleasant. Light breeze from S. and W. Steaming with four boilers. At 7.40 hauled down flying jib. Steam pressure 60 lbs. Revolution 41.

(Signed) Charles F. T. Mow Ensign.

From 8 to Midnight. Cloudy and pleasant. Light breeze from S. and W. At 10.15 inspected at general quarters. Time in sailing books, as follows. Eng. Div. 1<sup>st</sup> 45. Main Guard 3. Pigeon Div. 5.45. Har. Div. 4. Powder Div. 5.20. 2<sup>nd</sup> 5.45. 1<sup>st</sup> Div. 7.20.

(Signed) James K. Cogswell Lieut.

(Signed) Asa Walper Lieut.



Steamer

Essex

At Sea.

3<sup>rd</sup> Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Barometrical.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Barometrical.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.					
A. M.															
1	7	4	P. S. E. 1/2 E	P. P. W.	2	29.84	81	83	81	84	6	6	2	P. topsails, jib, F. T. W. 3/4	
2	8	0	"	"	1.2	29.82	81	83	81	84	"	"	2	"	
3	8	0	"	"	2	29.81	81	84	82	84	"	"	2	"	
4	8	2	"	"	2	29.80	81	84	82	84	"	"	2	All plain sail.	
5	7	0	"	"	2	29.80	81	83	82	84	6 1/2	"	2	M. top sail.	
6	7	2	"	"	2	29.81	81	84	82	84	6	"	3	"	
7	7	2	"	"	2	29.83	81	84	82	84	"	"	3	"	
8	7	6	"	"	2	29.84	82	84	82	84	"	"	3	"	
9	8	4	"	"	3	29.86	82	84	82	84	"	"	1	Topsails, foresails,	
10	8	4	"	"	3	29.86	82	85	83	84	"	"	3	fore and aft sail.	
11	7	4	"	P. S. W.	2	29.84	82	85	83	84	"	"	4	"	
Noon.	5	6	"	"	2	29.85	82	85	83	84	"	"	5	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time / knots 2 fms. per hour, setting to the E. S. E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7-40 A. M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

179 knots 6 fathoms.

3. 31. 13. H.

5. 12. 30. E.

3. 19. 35. H.

5. 39. 45. E.

20. 00. 00. W.

300 gallons.

1400 "

8 tons 750 lbs.

75 " 723 "

P. M.	1	4	E. S. E.	P. P. W.	3	29.81	83	85	83	84	6	6	7	Topsails, fore sail,
1	6	4	E. S. E. 1/4 E.	P. P. W.	3	29.81	83	85	83	84	6	6	7	fore and aft sail
2	8	0	"	"	3	29.80	83	85	83	84	"	"	8	"
3	8	0	"	P. S. W.	3	29.77	83	85	83	84	"	"	5	"
4	8	0	"	"	3	29.77	83	85	83	84	"	"	2	"
5	7	4	"	"	2	29.77	83	85	83	84	"	"	3	"
6	7	0	"	"	2	29.83	83	85	83	84	"	"	4	"
7	7	0	"	P. S. W.	1.2	29.85	81	84	82	84	"	"	5	Spanker, M. top sail,
8	7	0	"	"	1.2	29.87	81	84	82	84	"	"	5	jib, F. T. W. 3/4
9	7	0	"	"	1	29.87	81	84	82	84	"	"	4	"
10	7	2	"	E. S. E.	1	29.85	81	84	82	84	"	"	3	"
11	6	4	"	P. S. W.	1	29.85	81	84	82	84	"	"	4	"
Mid.	7	2	"	P. S. W.	1	29.85	81	84	82	84	"	"	5	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy - Pleasant. Bright moonlight. Barometer falling. Light breeze from S.W. Steaming with four boilers. Steam pressure 65 lb. Revolution 42. At 1.30 came up with, and passed close aboard, a full rigged big standing to S<sup>th</sup> and E<sup>th</sup>.

(Signed) Clinton K. Curtis

From 4 to 8 A.M. Partially clear - Pleasant. Light S.W. breeze. Gun, Hunt, passed a bark, showing no lights, standing to S<sup>th</sup>. At 7.30 set S. J. sails, foreail and flying jib. At 8, around royal yards. Steaming with four boilers. Steam pressure 55 lb. Revolution 41.

(Signed) Samuel C. Lundy

From 8 to Midnight. Cloudy. Warm. Light breeze from S<sup>th</sup> and W<sup>th</sup>. At 8.10 set royals. At 9.15 inspected at quarter. Examined 1<sup>st</sup> and 2<sup>nd</sup> divisions at great guns. At 10.45 took in royals. At 11, took in topsail and sails. Steaming with four boilers. Steam pressure 60 lb. Revolution 41. Temp. of surface 106°. At 12, changed course to E.S.E.

(Signed) Charles F. T. Moore

From Midnight to 4 P.M. Cloudy. Warm. Light breeze from S<sup>th</sup> and W<sup>th</sup>. Steaming with four boilers. Steam pressure 65 lb. Revolution 41.

(Signed) James K. Cogswell

From 4 to 6 P.M. Partially cloudy - Pleasant. Light breeze from S<sup>th</sup> and W<sup>th</sup>. Steaming with four boilers. At 5.40 took in and furled topsails & foreail, hauled down flying jib. Steam pressure 55 lb. Revolution 39.

(Signed) Clinton K. Curtis

From 6 to 8 P.M. Partially clear - Pleasant. Light, S.W. breeze. Gun, Gun, clouds. Moon rose at 6.15. Steaming with four boilers. Steam pressure 55 lb. Revolution 40. Temp. of surface 104.

(Signed) Samuel C. Lundy

From 8 to Midnight. Cloudy. Pleasant. Moonlight. Light variable air. At 10.30 took in best sails and spanker. At 10, got cast of deep sea lead, no bottom at 85 fathoms. At 12, got cast, no bottom at 100 fathoms. Steaming with four boilers. Steam pressure 60 lb. Revolution 42.

(Signed) Charles F. T. Moore

Ensign.

Examined and found to be correct.

(Signed) Ara Walter

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WIND.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 5 P.M.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6	6	E. 1/4 E	E	2		29.82	83	83	82	84	bcl	bi b			Main by sail.
2	6	4	"	E. 1/4 E	1		29.82	83	83	82	84	ol	"	0	"	"
3	6	6	"	W. 1/4 W.	1		29.81	83	84	82	84	bcl	"	1	"	"
4	6	6	"	"	1		29.80	83	84	83	84	ol	"	0	"	"
5	6	6	"	"	1		29.83	83	84	83	84	bcl	bi b		"	"
6	3	6	E. 1/4 E	"	1		29.83	83	84	83	84	bcl	"	2	"	"
7	7	4	"	E. 1/4 E	1		29.84	83	84	83	84	"	"	3	"	"
8	3	2	E. 1/4 E	"	1		29.86	83	84	83	84	"	"	1	"	"
9	6	2	E. 1/4 E	H. E.	1		29.88	84	87	84	84	"	bi b	5	"	"
10	8	6	H. E. 1/4 E	E.	1		29.89	85	88	86	84	"	"	6	"	"
11	8	2	"	"	1		29.85	85	88	86	84	"	"	6	"	"
Noon.	7	6	"	Variable	1		29.85	86	88	86	84	"	"	6	"	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

5 tons 2230 lbs.

Coal remaining on hand at Noon

69 " 733 "

P. M.																
1	Standing in for	H. E.	1	29.83	86	88	85	bc	bi b	4						
2	Port to starboard	E. 1/4 E.	1	29.82	86	89	85	"	"	5						
3	At anchor.	H. H. H.	1	29.80	86	89	86	"	"	4						
4		"	1	29.78	86	89	87	"	"	3						
5		"	1	29.80	85	88	86	o	"	0						
6		"	1	29.87	85	87	85	bc	"	2						
7		Calum	0	29.82	85	86	84	bcl	"	8						
8		"	0	29.84	85	86	84	bc	"	7						
9		"	1	29.83	84	86	84	"	"	7						
10		"	1	29.84	83	85	83	"	"	7						
11		"	1	29.86	82	84	83	"	"	7						
Mid.		"	1	29.87	82	84	82	"	"	5						

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

Head of the square on  
M-26-27



Commander Winifred Pitt Pelley  
Thursday November 22<sup>nd</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy and pleasant. Light air from S.<sup>d</sup> and W.<sup>d</sup>. Top sounding cone low, to bottom at 95 fathoms. Steaming with four boilers. Steam pressure 55 lbs. Revolution 40. (Signed) James K. Cogswell

From 4 to 8 A.M. Cloudy. Pleasant. Light air from S.<sup>d</sup> and W.<sup>d</sup>, shifting to E.<sup>d</sup>. Barometer rising slowly. At 5.30 changed course to E. by S. At 5.40 sighted high land ahead and on starboard bow. Changed course at 5. At 6.12 S. and at 7.48 to E. by N. Steaming with four boilers. Steam pressure 55 lbs. Revolution 40. Temp. of surface 106°. (Signed) Clinton K. Curtis

From 8 to Noon. Cloudy. Warm. Light variable air. Sea, sun, clouds. Standing in for Fernando P. Occupied in getting ship ready for port. Steaming with four boilers. Steam pressure 60 lbs. Revolution 49. (Signed) Samuel C. Lundy

From Noon to 4 P.M. Cloudy. Warm. Light variable air. Standing in for Port Clarence. At 1.55 came to anchor in 12 fathoms water, hauling to 30 fathoms port chain. Draught forward 15 feet 6<sup>in</sup>. Amidships 14 feet 7<sup>in</sup>. Aft 15 feet 8<sup>in</sup>. Hauled fire in two boilers. At 2.50 commenced distilling. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling. (Signed) Charles F. T. Moore

From 4 to 8 P.M. Cloudy and warm. Calm and light air. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling. (Signed) James K. Cogswell

From 8 to Midnight. Clear and pleasant. Light land breeze. Sea, sun, clouds. Bright moonlight. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling. (Signed) Clinton K. Curtis

(Signed) Aca Walpus



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometrical.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Remarks of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				Calms	0		29.85	81	83	81		bel	Clear	8	
2				"	1		29.83	81	83	80		"	"	7	
3				"	1		29.83	81	82	80		"	"	2	
4				"	1		29.82	81	82	80		bel	"	3	
5				"	1		29.83	81	82	80		olt	"	0	
6				"	1		29.84	81	82	80		"	"	0	
7				"	1		29.85	80	82	80		"	"	0	
8				"	1		29.86	80	82	80		olt	"	0	
9				"	1		29.86	80	82	80		"	"	0	
10				"	1		29.88	80	82	80		"	"	0	
11				"	1.4		29.87	80	82	80		org	"	0	
Noon.				"	1		29.86	80	81	80		ter	"	1	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water Condensed during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

1200 "

Coal consumed during the preceding 24 hours

1 tons 1850 lbs.

Coal remaining on hand at Noon

67 " 1123 "

P. M.															
1				H.E.	1		29.86	80	83	81		0	Clear	2	
2				"	1		29.86	81	84	82		"	"	2	
3				"	1		29.84	82	85	83		"	"	2	
4				"	1		29.84	82	84	83		"	"	2	
5				"	1		29.85	81	83	81		olt	"	0	
6				"	1		29.82	81	83	81		"	"	0	
7				"	1		29.81	81	82	80		0	"	0	
8				"	1		29.82	81	82	80		"	"	0	
9				"	1		29.85	81	83	81		olt	"	0	
10				"	1		29.85	81	83	81		"	"	0	
11				"	1		29.85	81	83	81		0	"	0	
Mid.				"	1		29.85	81	83	81		"	"	0	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Pellay  
Friday November 23<sup>rd</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence, and until 4 A.M. Clear first part. Cloudy last two hours. Morning. Lightning around horizon. Calm and light air from S.E. Fire tanked in two boilers. Steam pressure 50 lb. Distilling.  
(Signed) Charles F. T. Moore, Ensign.

From 4 to 8 A.M. Cloudy and pleasant. Raining last hour of watch, with thunder and lightning. Light air from S.E. and W. Fire tanked in two boilers. Steam pressure 25 lb. Distilling.  
(Signed) James K. Cogswell, Lieut.

From 8 to Midnight. Overcast. Heavy rain during entire watch, with much thunder and lightning. Breeze, light, clouds. Light S.E. breeze. By order of Commanding Officer, W. J. Woodward (C.P.) and John W. Brown (C.P.) were rated Pearson, and James Gilliespie (C.P. & C.) rated O. Thaman from Nov. 1<sup>st</sup>. Commanding Officer and Staff left the ship on a visit to the Governor. Fire tanked in two boilers. Steam pressure 25 lb. Distilling.  
(Signed) Clinton K. Curtis, Lieut.

From Midnight to 4 P.M. Overcast and cloudy, with light S.W. breeze. Sent coaling party of 19 men to fill lighters with U.S. Government coal. Fire tanked in two boilers. Steam pressure 25 lb. Distilling.  
(Signed) James C. Ruffy, Ensign.

From 4 to 8 P.M. Overcast. Falling shower first part. Light air from S.W. By order of Commanding Officer, Spring Wainwright (W.O.P.) & W.H. Pick (Lieut.) and confined, without order, for intoxication. Coaling ship. Fire tanked in two boilers. Steam pressure 25 lb. Distilling.  
(Signed) Charles F. T. Moore, Ensign.

From 8 to Midnight. Cloudy. Falling shower first part. Light air from S.W. Barometer rising.  
(Signed) Clinton K. Curtis, Lieut.

(Signed) Alva Walpole, Lieut.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1				P.	1		29.95	80	81	81	or	Smooth	0	P.
2				"	1		29.90	79	81	80	"	"	0	"
3				"	1		29.86	79	81	80	bc	"	1	"
4				"	1		29.85	79	81	80	"	"	1	"
5				S. P. W.	1		29.84	80	81	80	"	"	1	"
6				"	1		29.85	80	81	80	0	"	0	"
7				Calms	0		29.86	80	82	81	bc	"	3	"
8				"	0		29.88	80	82	81	"	"	1	"
9				E.	1		29.88	81	82	81	0	"	0	"
10				"	1		29.89	81	83	82	"	"	0	"
11				N. E.	1		29.87	82	84	82	"	"	0	"
Noon.				N.	1		29.86	83	85	85	"	"	0	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

800 "

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

1 tons 370 lbs.

Coal remaining on hand at Noon

66 " 753 "

P. M.														
1				N. W.	1		29.83	85	86	84	bc	Smooth	2	P.
2				"	1		29.80	85	87	85	"	"	2	"
3				"	1		29.80	85	87	85	"	"	3	"
4				"	1		29.77	85	87	85	"	"	5	"
5				W.	1		29.79	85	86	84	"	"	5	"
6				S. W.	1		29.81	85	86	83	"	"	3	"
7				Calms	0		29.83	84	85	83	bc	"	2	"
8				"	0		29.85	83	84	80	"	"	2	"
9				N.	1		29.86	82	83	80	oltr	"	0	"
10				S. W.	1		29.87	80	82	80	"	"	0	"
11				"	1		29.88	80	81	80	ol	"	0	"
Mid.				"	1		29.87	80	81	80	0	"	0	"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winifred Scott Peck  
Saturday November 4<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 P.M. Overcast. Fine last half of watch. Sun, Moon, Clouds.  
Observed moon light. Time banded in two boiler. Steam pressure 25 lb. Distilling.

(Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Light air from S. E. W. and calm.  
At 8 loaded sail to a trawl. Time banded in two boiler. Steam pressure 25 lb. Distilling. Flying Winkler (W.W.) and W. H. Pick (Lde) were released from confinement by order of Commander.

(Signed) Charles J. T. Moore

From 8 to Noon, Overcast and warm. Light air from N. E. and E. S. E. The Governor of the island paid an official visit to the Commander. Received a load of coal, on light. Time banded in two boiler. Steam pressure 25 lb. Distilling. Received in Pay Dept. 6 bags of bread.

(Signed) James K. Cogswell Lieut.

From Noon to 4 P.M. Partly cloudy. Warm. Pleasant. Light air from S. W. Barometer falling. Engaged in coaling ships. By order of Commander, Flying Winkler (W.W.) was placed in confinement, simple confinement during the day, double iron at night, to await action of Court Martial, for scandalous conduct.

(Signed) Clinton K. Curtis

From 4 to 8 P.M. Partly clear. Warm. Light variable air. Sun, Moon, Clouds. Engaged in coaling ships. Lightning during latter part of watch. Time banded in two boiler. Steam pressure 25 lb. Distilling.

(Signed) Samuel C. Lundy Ensign.

From 8 to Midnight. Overcast and pleasant. Light variable air. Time banded in two boiler. Steam pressure 25 lb. Distilling.

(Signed) James K. Cogswell Lieut.

Examined and found to be correct.

(Signed) Alva Watson Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				P.W.	1	29.87	80	80	79		0	Thin	0		
1				"	1	29.86	80	79	78		or H.C.	"	0		
2				"	1	29.85	80	79	78		"	"	0		
3				"	1	29.85	80	80	78		"	"	0		
4				"	1	29.85	80	80	78		"	Sun	0		
5				Calcu	0	29.86	80	80	79		0 H.C.	"	0		
6				"	0	29.88	80	80	80		"	"	0		
7				"	0	29.89	80	81	80		0	"	0		
8				"	0	29.90	80	81	80		"	"	0		
9				"	0	29.90	80	82	80		"	"	0		
10				"	0	29.91	80	82	80		"	"	0		
11				H.C.	1	29.89	81	83	81		o/c	"	0		
Noon.				"	1	29.87	81	83	82		H.C.	"	2		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water Condensed during the preceding 24 hours

500 "

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

1 tons 710 lbs.

Coal remaining on hand at Noon

65 " 23 "

P. M.				H.C.	1	29.84	81	83	82		H.C.	Cond	4		
1				"	1	29.80	82	84	82		"	"	6		
2				"	1	29.79	83	84	83		"	"	5		
3				"	1	29.78	83	84	83		"	"	5		
4				"	1	29.78	83	84	83		"	"	5		
5				"	1	29.78	83	84	83		"	"	5		
6				"	1	29.80	83	84	83		"	"	5		
7				Calcu	0	29.83	83	84	83		"	"	4		
8				"	0	29.85	84	84	83		"	"	3		
9				P.W.	1	29.85	81	83	82		H.C.	"	4		
10				P.P.W.	1	29.86	81	83	82		"	"	3		
11				P.W.	1	29.87	81	82	81		o/c	"	2		
Mid.				H.C.	37	29.89	79	78	77		or H.C.	"	0		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Pelee*  
*Pruday* *November 25<sup>th</sup>*

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Rainy. Violent thunder and lightning part of watch. Barometer steady. Light S.W. air.

(Signed) James K. Cogswell *Lieut.*

From 4 to 8 A.M. Overcast. Pleasant. Some light clouds. Thunder & lightning first part of watch. Engaged in coaling ship. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley *Ensign.*

From 8 to Midnight. Overcast. Warm. Calm and light air from N.E. Coaling ship. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore *Ensign.*

From Midnight to 4 P.M. Cloudy and warm. Light air from N. and E. Slight coaling at 2. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling. Total amount received \$5.00, from American coal pile outside.

(Signed) James K. Cogswell *Lieut.*

From 4 to 8 P.M. Partly cloudy. Pleasant. Calm and light air from W. At sundown put down light yards. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis *Lieut.*

From 8 to Midnight. Overcast. Pleasant first part. Heavy squalls, with rain, last hour. Wind, to 45 fathoms per hour. Lightning. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore *Ensign.*

Examined and found to be correct.

(Signed) Ada Walker *Lieut.*

Navigator.



Steamer

Exeter

Port Clarence, Fernando Po

Rate, 6

Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				Calu	0	29.8780	79	77			orl	Thin	0	1	
1				"	0	29.8580	79	77			or	"	0	"	
2				"	0	29.8580	79	77			"	"	0	"	
3				"	0	29.8580	79	77			"	"	0	"	
4				"	0	29.8580	79	77			"	"	0	"	
5				"	0	29.8780	78	77			"	"	0	"	
6				"	0	29.8979	78	76			"	"	0	"	
7				"	0	29.9178	78	76			"	"	0	"	
8				"	0	29.9378	78	76			"	"	0	"	
9				"	0	29.9278	79	77			"	Cloud	0	"	
10				"	0	29.9279	79	79			0	"	0	"	
11				"	0	29.9179	80	80			lc	"	1	"	
Noon.				H.	0-1	29.8879	81	80			"	"	2	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

4 tons 1380 lbs.

Coal remaining on hand at Noon

101 " 2013 "

P. M.															
1			E. S. E.	1	29.8582	83	81				lc	Cloud	1	1	
2			S. W.	1	29.8282	83	81				"	"	2	"	
3			S. W.	1	29.8182	84	82				"	"	2	"	
4			S. W.	1	29.8183	85	83				"	"	4	"	
5			Calu	0	29.8183	85	83				"	"	5	"	
6			Calu	0	29.8382	84	82				"	"	6	"	
7	1/2	4	S. S. E.	E. S. E.	1	29.8681	83	81			"	Cloud	7	"	
8	3/4		S. S. W.	"	1	29.8781	83	81			"	"	7	"	
9	5/8	2	S. S. W.	S. W.	1	29.8981	84	82			"	Cloud	8	"	
10	7/8	4	"	S. W.	1	29.8781	84	82			"	"	3	"	
11	8/8	6	"	S. S. W.	2	29.8781	83	81			"	"	4	"	
Mid.	8/8	6	"	Calu	0	29.8681	83	81			"	"	6	"	Main try sail.

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of *Commander Winfield Scott Schley*  
*Monday November 26<sup>th</sup>*

, U. S. Navy,  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Cloudy. Calm. Continuous rain. Fire  
bunkered in two boilers. Steam pressure 25 lbs. Distilling -  
(Signed) *James K. Cogswell* *Lieut.*
- From 4 to 8 P.M. Overcast. Rain. Calm. Barometer rising. At 7, Frigate  
Steamer "Corisco" came in and anchored. Fire bunkered in two boilers. Steam  
pressure 25 lbs. Distilling -  
(Signed) *Clinton K. Curtis* *Lieut.*
- From 8 to Midnight. Overcast. Rain. First part of watch. Calm. Cum. thin  
clouds. At 10, Royal Mail Steamer "Corisco" left the harbor. At 10.20  
towed sail to a boiler. Engaged in coaling ship. Order of Commander,  
H. H. Horner (Rde) for being absent on lookout, 12 hours extra duty. (S. B. Stanley  
(O & C) for being out of uniform, 4 hours extra duty and F. Vetter (Fuzler) for  
hanging things in front in starboard gang way, 10 stand 2 extra night  
watch. Fire bunkered in two boilers. Steam pressure 25 lbs. Distilling -  
(Signed) *Samuel C. Rensley* *Ensign.*
- From Midnight to 4 P.M. Cloudy. Warm. Light variable air. Coaling ship.  
Received 4 1/2 tons of coal. Distilled at 3.25. At 2.15 started  
fire in two boilers. Fire in four boilers. Steam pressure 25 lbs.  
(Signed) *Charles F. T. Moore* *Ensign.*
- From 4 to 6 P.M. Cloudy and pleasant. Calm. At 5.25 got under way  
and stood out from Fernandez Is. Draught forward 13 feet 9 in. Amidships  
14 feet 9 in. Aft 15 feet 10 in. Steaming with four boilers. Steam 60 lbs. Rev. 40.  
(Signed) *James K. Cogswell* *Lieut.*
- From 6 to 8 P.M. Clear and pleasant. Light breeze from S. and E. At 6.50  
took departure. Cape Pato bearing (S. of W.) distant 2 miles. At 7.10 changed  
course to S. and at 7.40 changed course to S. by W. 1/2 W. Steaming with  
four boilers. Steam pressure 60 lbs. Revolution 41.  
(Signed) *Clinton K. Curtis* *Lieut.*
- From 8 to Midnight. Partially clear. Pleasant. Light variable air and calm. Cum.  
clouds. At 9.30 put fore and aft sail. At 11.30 hauled down fore  
topmast stay sail. At 11.45 took in spanker and hauled down it. Moon  
rose at 11. Steaming with four boilers. Steam pressure 65 lbs. Revolution 49.  
Temp. of boiler 110°.  
(Signed) *Samuel C. Rensley* *Ensign.*

Examined and found to be correct.

(Signed) *Ala Walker* *Lieut.*

Navigator.



Steamer "Essex"

At Sea. <sup>1st</sup> Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Force of Wind, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	8 6		S. by W. S. E.		1	29.87	82.84	82.84	82.84	82.84	h	Cum. 6	6	1	Fore & aft sail.
2	8 6		"	"	1	29.88	82.85	82.84	82.84	82.84	"	Cum. 5	5	"	"
3	8 0		"	"	2	29.86	82.85	82.84	82.84	82.84	"	"	6	"	"
4	8 0		"	"	2	29.86	82.85	82.84	82.84	82.84	"	"	4	"	"
5	7 6		"	"	1	29.85	82.84	82.84	82.84	82.84	"	"	2	"	"
6	7 4		"	"	1	29.87	82.84	82.84	82.84	82.84	"	"	0	"	"
7	7 6		"	"	2	29.88	82.84	82.84	82.84	82.84	"	"	0	"	"
8	8 0		"	"	3	29.90	82.85	82.84	82.84	82.84	"	"	0	"	"
9	8 0		"	"	2	29.90	83.86	82.84	82.84	82.84	"	"	0	"	"
10	8 0		"	"	2	29.90	83.86	82.84	82.84	82.84	h	"	2	"	Main top sail.
11	7 6		"	"	2	29.88	84.86	82.84	82.84	82.84	"	"	2	"	"
Noon.	8 6		"	"	2	29.89	84.86	82.84	82.84	82.84	"	"	1	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

129 knots 2 fathoms.

1 - 28.00 - 11.

9 - 05.30 - 6.

1 - 19.15 - 11.

8 - 56.00 - 6.

250 gallons.

2600 "

7 tons 1330 lbs.

94 " 673 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Barometre.	TEMPERATURE.	State of the Weather.	Form of Clouds.	Force of Wind.	State of the Sea.	Record of the roll.
1	5 2		S. by W. S. E.		3	29.86	83.86	82.84	82.84	h	Cum. 7	7
2	7 6		"	"	3	29.84	83.86	83.84	83.84	"	"	6
3	7 6		"	"	3	29.81	84.87	83.84	83.84	"	"	7
4	7 6		"	"	3	29.80	84.87	84.84	84.84	"	"	7
5	7 6		"	"	3	29.80	83.85	83.84	83.84	"	"	8
6	5 2		"	"	3	29.82	83.85	83.84	83.84	"	Cum. 4	4
7			"	"	3	29.84	83.85	83.84	83.84	h	"	8
8			At Anchor.	"	2	29.86	83.85	83.84	83.84	"	"	7
9			"	"	2	29.86	83.85	83.84	83.84	"	"	3
10			"	"	2	29.86	83.85	83.84	83.84	h	"	3
11			"	"	2	29.86	83.85	82.84	82.84	o	"	0
Mid.			"	"	1	29.86	83.85	82.84	82.84	"	"	0

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Riley  
Tuesday November 27<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear and pleasant. Moonlight. Light breeze from S. by E. Steaming with four boilers. At 1.45 dropped Fernando P. At 12.45 set fit F.T.M.S.S. and sprang per. Steam pressure 60 lbs. Revolutions 45.  
(Signed) Charles F. T. Moore Ensign

From 4 to 8 A.M. Overcast & pleasant. Light breeze from S. and W. Sea smooth. At 6.30 took in four masts aft sail. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 44.  
(Signed) James K. Cogswell Ensign

From 8 to Midnight. Cloudy. Pleasant. Light breeze from S. and W. At 9.15 inspected at quarters, immediately after expiration of company and hospital duty. At 10, Court of Investigation, composed of Chief Engineer T. A. Parry, Lieut. F. K. Cogswell and Ensign F. C. Lundy met to investigate charges of scandalous conduct in the case of Frank H. H. (H. H.). Court adjourned at 11.40. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 49. Temp. of boiler 110°.  
(Signed) Clinton K. Curtis Lieut.

From Midnight to 4 P.M. Clear. Warm. Passing showers first hour. Sea, calm, smooth. Clouds. At 12.20 changed course to S. by E. At 1.25 set main top sail, and at 1.45 took it in. Lighted low land on first beam. At 4, got east of duplicate sea land, 7° latitude, bottom blue mud. Steaming with four boilers. Steam pressure 55 lbs. Revolutions 48.  
(Signed) Samuel C. Lundy Ensign

From 4 to 6 P.M. Clear. Pleasant. Light breeze from S.W. Steaming with four boilers. At 4.10 set fit main top sail and sprang per. At 4, changed course to S. E. by S. At 5, to S. E. by S. by E. At 5.40 S. E. Steam pressure 60 lbs. Revolutions 48.  
(Signed) Charles F. T. Moore Ensign

From 6 to 8 P.M. Clear and pleasant. Light breeze from At 6.30 came to anchor off Cape Estima, in 11 fathoms water, heaving to 45 fathoms starboard chain. Cape Corinville bearing (true) S. by E. Draught forward 13 feet 9 in. Amidships 14 feet 9 in. Aft 15 feet 10 in. Gangplank fair in four boilers. Steam pressure 25 lbs. Distilling.  
(Signed) James K. Cogswell Ensign

From 8 to Midnight. Cloudy first part. Raining last two hours. Light breeze from S.W. Revolutions steady. Boiler banded in four boilers. Distilling. Temp. of boiler 110°. Steam pressure 20 lbs.  
(Signed) Clinton K. Curtis Lieut.

Examined and found to be correct.

(Signed) Alva Walker Lieut.

Navigator.



Steamer *Essex*Rate, 6 Guns,  
Off Cape Estima, & Linville, Gabon River

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.W.	2.5		29.86	83	83	81		brght	thin	0	1	
1				"	2.3		29.85	82	83	81		brly	"	0	"	
2				"	2.4		29.85	81	82	81		"	"	0	"	
3				"	2.5		29.84	81	82	80		"	"	0	"	
4				"	3.5		29.83	81	82	80		brght	"	0	"	
5				"	2		29.82	81	82	80		brly	brght	0	"	
6				"	2		29.83	81	82	80		brly	"	0	"	
7				"	3		29.85	81	83	80		brly	"	0	"	
8				"	3		29.85	83	82	80		br	"	0	"	
9	Standing into			"	1		29.86	83	80	78		"	"	0	"	
10	Gabon River			"	1		29.86	82	80	78		0	"	0	"	
11	under direction			"	1		29.85	83	81	79		"	"	0	"	
Noon.	of Navigator			"	1		29.85	83	81	79		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

2600 "

Coal consumed during the preceding 24 hours

3 tons 1230 lbs.

Coal remaining on hand at Noon

90 " 1673 "

P. M.																
1	At Anchor.			S. by W.	1		29.84	83	83	81		br	brly	2	1	
2				"	1		29.82	83	83	81		"	"	3	"	
3				"	1		29.80	83	83	81		"	"	3	"	
4				"	1		29.78	84	83	81		"	"	3	"	
5				"	2		29.80	83	83	81		"	"	4	"	
6				H.W.	3		29.81	81	83	81		"	"	5	"	
7				"	3		29.82	81	83	81		"	"	6	"	
8				"	3		29.84	82	83	81		"	"	6	"	
9				"	2		29.86	82	82	80		"	"	9	"	
10				"	2		29.86	82	82	80		"	"	9	"	
11				H.W.	1		29.87	82	82	80		"	"	8	"	
Mid.				"	1		29.87	82	82	80		"	"	8	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winfield Scott Phelps  
Wednesday November 25<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast. Heavy rain squalls, with thunder and lightning. S.W. wind strong in gusts. Fire pumped in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley Ensign.

From 4 to 8 A.M. Overcast. Squally. Falling showers. Light breeze from S<sup>d</sup> and W<sup>d</sup>. At 7 M. wind fine. At 7.30 called all hands aft anchor. Stopped distilling at 7.30. Fire in four boilers. Steam pressure 60 lbs. Draught forward 13 feet 9 in. Amidships 14 feet 9 in. Aft 15 feet 10 in. John W. Gunn (Ld.) was confined in double time for not going to his station. Set all hands, and not obeying orders of Master at anchor promptly, by order of Commander.

(Signed) Charles P. T. Moore Ensign.

From 8 to Midnight. Overcast and rainy. Light air from S<sup>d</sup> and E<sup>d</sup>. At noon came to anchor off Linnville, Galton Point, in 5 fathoms water, being to 45 fathoms first chain. Trough Point bearing (true) S by E 1/4 E. Fogard Point W. Draught forward 13 feet 11 in. Amidships 14 feet 11 in. Aft 15 feet 10 in. Hauled fire in two boilers, tanked in two. Steam pressure 60 lbs. Distilling.

(Signed) James K. Cogswell Lieut.

From Midnight to 4 P.M. Cloudy. Warm. Light air from S<sup>d</sup> and W<sup>d</sup>. At 1.30 broad sail to day. Read report of Board of Investigation, to firing Winchester (W.D.), at the mast, and re-confined him. At 3.30 American Gullent visited the ship. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis Lieut.

From 4 to 8 P.M. Clear. Pleasant. Clear, sun, wind, clouds. Light N.W. breeze. At 4.30 furled sail. At 4.45 low water slack. At 5.45 sprung to aft. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley Ensign.

From 8 to Midnight. Clear and pleasant. Light breeze from N<sup>d</sup> and W<sup>d</sup>. First part, from N<sup>d</sup> and E<sup>d</sup> latter part of watch. Hauled fire and stoppable at 10. Picking to flood.

(Signed) James K. Cogswell Lieut.

(Signed) Ora Watson Lieut.



Steamer Essex

Rate, 6 Guns.

Off Littleville, Galton River

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P. E.	1	29.86	80	82	80		bc	Clouds	1	1	
1				"	1	29.86	80	82	80		"	"	1	"	
2				"	1	29.86	80	82	80		"	"	1	"	
3				"	1	29.86	80	82	80		"	"	1	"	
4				"	1	29.86	80	82	80		"	"	1	"	
5				S. W.	1	29.87	80	82	80		"	"	2	"	
6				W.	1	29.87	80	81	80		bc	"	3	"	
7				N. W.	1	29.88	80	81	80		"	"	5	"	
8				E. S. E.	1	29.88	79	81	80		"	"	5	"	
9				S.	1	29.90	80	82	80		"	"	5	"	
10				"	1	29.91	81	83	81		"	"	4	"	
11				"	1	29.92	81	83	81		"	"	4	"	
Noon.				S. S. W.	2	29.90	81	83	81		"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

90 " 1423 "

P. M.															
1				S. S. W.	1	29.86	82	84	82		bc	Clouds	4	1	
2				Calcut	1	29.88	83	86	83		"	"	6	"	
3				W.	2	29.80	83	86	84		"	"	5	"	
4				"	1	29.82	84	86	84		"	"	4	"	
5				"	1	29.85	84	85	83		"	"	3	"	
6				H. M. G.	1	29.85	84	84	82		"	"	2	"	
7				"	1	29.88	84	84	82		"	"	2	"	
8				"	2	29.88	84	84	82		"	"	2	"	
9				H.	2	29.90	82	84	82		bc	Clouds	3	"	
10				W. N. W.	2	29.91	82	84	82		"	"	1	"	
11				"	2	29.92	82	83	81		ol	"	1	"	
Mid.				"	2	29.90	82	83	81		"	"	1	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Kellogg  
Thursday November 29<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Light breeze from S.W. Barometer steady. Lightning around horizon.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Light variable air. Sun, thin clouds. Low water slack at 6.45. Tiding to flood at 7.15. At 8, opened light yards.

(Signed) Samuel C. Leely  
Ensign.

From 8 to Merid, Cloudy. Pleasant. Light variable air. Piding to flood tide. Aired bedding. At 11, pulled out clean hammocks at quarters. Commanding Officer and staff paid an official visit to Naval Commandant.

(Signed) Charles F. T. Moore  
Ensign.

From Merid, to 4 P.M. Cloudy and pleasant. Calm first part, light breeze from S. and W. latter part of watch. High water at 1.30. Tiding to ebb at 2. Naval Commandant and staff paid an official visit to the ship.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 P.M. Cloudy. Pleasant. Light air from N. and E. Tiding to flood at 7. At sundown put down light yards.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Cloudy first part. Raining last two hours. Light breeze from N. and W. Thunder and lightning.

(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Aea Walgren  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Bearing of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				W.	1		29.89	79	81	80	bcl	Cum	2		
2					1		29.87	79	81	80	ob	"	1		
3				S. W.	1		29.86	79	81	80	ob	"	0		
4				S. E.	1		29.86	79	81	80	ob	"	0		
5					1		29.86	80	80	78	o	"	0		
6				E.	1		29.86	80	80	78	"	"	0		
7					1		29.86	80	80	78	"	"	0		
8				N. E.	1		29.87	80	81	79	"	"	0		
9				N.	1		29.88	80	82	81	bc	"	2		
10					1		29.88	80	82	82	"	"	3		
11				S. W.	1		29.87	80	83	82	"	"	4		
Noon.					1		29.86	81	83	82	"	"	4		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 1750 lbs.

Coal remaining on hand at Noon

89 " 1913 "

P. M.															
1				W. S. W.	1		29.84	82	84	82	bc	Cum	7		
2					1		29.82	83	85	83	"	"	6		
3				W.	2		29.81	83	85	83	"	Cum	5		
4					3		29.80	83	85	83	"	"	6		
5				W. S. W.	3		29.80	83	85	83	"	"	6		
6				"	2		29.82	83	85	82	ob	"	0		
7				"	2		29.84	83	85	82	"	"	0		
8				"	1		29.86	83	85	82	bc	"	1		
9				W.	1		29.87	83	84	81	"	Cum	3		
10				"	1		29.87	83	85	81	"	"	8		
11				"	1		29.88	83	85	81	"	"	4		
Mid.				"	1		29.88	83	85	81	"	"	3		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Schley*  
*Friday November 30<sup>th</sup>*

U. S. Navy,  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Raining first part of watch, with thunder and lightning - High water at 2 - Spring tide at 2-30.

(Signed) *James K. Cogswell* *Lieut.*

From 4 to 5 A.M. Cloudy - Warm - Light air from N.E., shifting to N.W. & E. At 8, increased light breeze - Ship riding to anchor.

(Signed) *Clinton K. Curtis* *Lieut.*

From 5 to Midnight, Clear - Warm - Light S.W. air. Sea, calm, smooth, clouds. At 9.15 exercised at fire quarters. Time as follows - 1<sup>st</sup> Div, 1<sup>st</sup> 35<sup>?</sup> 2<sup>nd</sup> Div, 1<sup>st</sup> 35<sup>?</sup> Eng. Div, 1<sup>st</sup> 35<sup>?</sup> Har. Div, 1<sup>st</sup> 35<sup>?</sup> Powder Div, 2<sup>nd</sup> 05<sup>?</sup>. Focused at 9-25. Har. Div 35<sup>?</sup>. Powder Div, 1<sup>st</sup> 35<sup>?</sup> 2<sup>nd</sup> Div, 2<sup>nd</sup> 15<sup>?</sup> 1<sup>st</sup> Div, 2<sup>nd</sup> 17<sup>?</sup>. The following appointments were assigned by Com<sup>d</sup>g Officer, *Ensign William White (O.T. 26)* one mid watch, for leaving port at drift lead without firing signal - *Ensign Johnson* (sea) double iron, for disengaging to superior officer, *Philip Kinsade (S. 600)* double iron, for assaulting Corps, of Guard - *John W. Green (S. 600)* was relieved from confinement by order of Commander.

(Signed) *Samuel C. Rensley* *Ensign.*

From Midnight, to 4 P.M. Clear - Warm - Light breeze from N.E. and E. High water at 2. Spring tide at 2-30.

(Signed) *Charles B. T. Moore* *Ensign.*

From 4 to 8 P.M. Cloudy and pleasant - Light breeze from S.E. and W. - Riding to anchor. At sunset put down light yards.

(Signed) *James K. Cogswell* *Lieut.*

From 8 to Midnight - Clear - Pleasant - Light W. breeze - Sea, calm, smooth, clouds. At 8-40 High water - At 9 spring tide - flood tide.

(Signed) *Samuel C. Rensley* *Ensign.*

Examined and found to be correct.

(Signed) *Ala Walpole* *Lieut.*

Navigator.



*Steamer Empress*  
*Off Liberville, Gabon River*  
 Date, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Therm. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				W. H. W.	1		29.84	81	84	82	o/c	Clear	0	0	
2					1		29.83	81	84	82	"	"	0	"	
3				W.	1		29.83	81	84	82	"	"	0	"	
4				S.	1		29.82	82	84	80	0	"	0	"	
5					3		29.83	81	83	80	o/c	"	0	"	
6				E. S. E.	1		29.85	81	82	80	0	"	0	"	
7				S. E.	2		29.86	81	82	80	1/2	"	1	"	
8				S. W.	2		29.88	81	83	82	"	"	4	"	
9				"	1		29.88	82	84	82	"	"	4	"	
10				"	1		29.88	82	84	82	"	"	4	"	
11				"	1		29.86	83	85	82	"	"	5	"	
Noon.				"	1		29.85	83	85	82	"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1950

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

89 " 1663 "

P. M.															
1				S. W.	2		29.83	84	86	83	1/2	Clear	5	0	
2				W.	2		29.81	84	86	84	"	"	3	"	
3				"	2		29.79	84	86	84	"	"	5	"	
4				"	2		29.79	84	86	84	"	"	5	"	
5				"	2		29.78	83	85	83	"	"	4	"	
6				"	2		29.80	83	85	83	"	"	2	"	
7				W. H. W.	2		29.81	83	85	83	"	"	3	"	
8				"	2		29.83	83	85	83	"	"	1	"	
9				S. E.	2		29.85	83	85	83	o/c	"	0	"	
10				"	1		29.85	83	85	83	"	"	0	"	
11				"	1		29.85	83	85	83	"	"	0	"	
Mid.				"	1		29.85	83	85	83	1/2	"	1	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Phelps  
Saturday, December 1<sup>st</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast. Falling shower. Light air from N.E. and N.W. Slack water at 2.30. Tiding to ebb at 3.15.

(Signed) Charles J. T. Moore

From 4 to 8 A.M. Cloudy and pleasant. Light air from S.W. and E. At 8, around light yards. Tiding to ebb.

(Signed) James K. Cogswell

From 8 to 11 A.M. Partially cloudy. Pleasant. Light breeze from S.W. Tiding to flood at 8.30. At 9.15 loaded sail to a trawl. Received in Pay Dept. 1400 lbs of bread.

(Signed) Clinton K. Curtis

From 11 A.M. to 4 P.M. Clear Warm. Light W. breeze. Cum. Mist. Clouds. At 2.20 furled sail. Tiding to flood. At 3, high water slack.

(Signed) Samuel C. Leach

From 4 to 8 P.M. Cloudy. Falling shower, second hour. At 4.45 tiding to ebb. Light breeze from N.W.

(Signed) Charles J. T. Moore

From 8 to Midnight. Cloudy. Rainy. Light breeze from N.E. Fairmount steady. Tide tiding to flood at 9.30.

(Signed) Charles J. T. Moore

Examined and found to be correct.

(Signed) Vera Walcott  
Lieut.

Navigator.



*Steamer Essex* <sup>1st</sup> Rate, 6 Guns,  
Off Liberville, Patna River

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.W.	1		29.84	83	83	82		h	Cumulus	3		
1				"	2		29.83	82	83	82		bc	"	3		
2				"	3.4		29.82	81	83	82		orlt	"	0		
3				"	2.4		29.81	80	83	82		"	"	0		
4				P.P.W.	2		29.82	80	83	82		oblt	"	0		
5				"	6		29.83	81	83	82		bc	"	1		
6				P.	1		29.84	81	83	82		bc	"	3		
7				P.C.	2		29.86	81	83	82		bc	"	3		
8				P.	2		29.87	81	83	82		"	"	1		
9				P.P.W.	1		29.86	82	83	82		0	"	0		
10				P.W.	2		29.86	82	84	82		"	"	0		
11				W.	2		29.85	83	85	83		"	"	0		
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

89 " 1413 "

P. M.				<i>W.</i>	2		29.83	83	86	84				<i>bc</i>	<i>Cum</i>	2		
1				"	2		29.81	84	86	84				"	"	2		
2				"	2		29.79	84	86	84				"	"	2		
3				"	2		29.77	84	86	83				"	"	1		
4				"	2		29.79	83	85	83				"	<i>Cum</i>	3		
5				"	2		29.80	82	84	82				"	"	5		
6				"	2		29.82	82	84	82				"	"	2		
7				"	2		29.83	82	84	82				0	"	0		
8				"	2		29.85	82	84	82				"	<i>Cum</i>	0		
9				"	2		29.87	82	84	82				<i>ob</i>	"	0		
10				"	2		29.86	82	84	82				"	"	0		
11				"	2		29.86	82	84	82				<i>orlt</i>	<i>Wind</i>	0		
Mid.																		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

\*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commander Winfield Scott Kelly  
Sunday December 2<sup>nd</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commence and until 4 A.M. Clear and pleasant first part cloudy and rainy with thunder and lightning latter part of watch. Light S.W. breeze with heavy gusts. High water slack at 3.30. (Signed) Samuel C. Lemley Ensign.
- From 4 to 8 A.M. Cloudy - Thunder and lightning. Light variable breeze. Drying to slack at 4.30. (Signed) Charles J. T. Moore Ensign.
- From 8 to Midnight. Overcast and warm. Light breeze from S.W. and W.S.W. At 9.30 Commanding Officer inspected ship and crew at quarters. Articles of War and Prayer were read and crew instructed. Low water at 9. Drying to flood at 9.30. (Signed) James K. Cogswell Ensign.
- From Midnight to 4 P.M. Cloudy and pleasant. Light breeze from W.S.W. Ship riding to flood tide. Barometer falling. Philip Kincaid (Phil's Corp) was released from confinement by order of Commander. (Signed) Clinton K. Curtis Ensign.
- From 4 to 8 P.M. Slack water at 4.54. Drying to slack at 5.30. Weather Cloudy and pleasant. Light wind from W.S.W. Calm, clouds. Riding to slack tide. (Signed) Samuel C. Lemley Ensign.
- From 8 to Midnight. Overcast and pleasant. Light breeze from W.S.W. Raining last hour of watch. Thunder and lightning. Drying to flood at 9.15. (Signed) Ora Walker Ensign.

Examined and found to be correct.

(Signed) Ora Walker Ensign.

Navigator.



Steamer *Essex* 3<sup>rd</sup> Rate, 6 Guns,  
Off Libreville, Gabon River

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				W.	2	29.86	82	82	82		orlt	Cum	0	0	1
2				"	1	29.84	82	82	80		ol	"	0	"	
3				"	1	29.82	82	82	80		"	"	0	"	
4				"	1	29.82	82	82	80		"	"	0	"	
5				S. W.	1	29.84	82	82	80		bc	"	1	"	
6				S.	1	29.86	81	82	81		"	"	2	"	
7				"	1	29.88	81	83	81		"	"	2	"	
8				"	1	29.90	81	83	81		"	"	3	"	
9				"	2	29.90	82	84	82		"	"	4	"	
10				"	1	29.91	83	85	83		"	"	3	"	
11				S. S. E.	1	29.90	83	85	83		"	"	3	"	
Noon.				"	1	29.89	83	85	84		"	"	4	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1400 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

89 " 1163 "

P. M.															
1				W.	2	29.87	83	85	83		0	Cum	0	0	1
2				"	3	29.85	84	86	83		0	"	0	"	
3				"	2	29.85	83	84	83		ol	"	0	"	
4				"	1	29.87	83	84	83		orlt	"	0	"	
5				"	1	29.87	83	85	83		bc	"	1	"	
6				"	1	29.87	83	85	83		"	"	1	"	
7				S. W.	1	29.87	83	84	83		"	"	3	"	
8				"	1	29.87	83	84	82		"	"	3	"	
9				S. S. W.	2	29.90	83	84	82		bc	"	5	"	
10				"	2	29.92	83	84	82		ol	"	0	"	
11				E.	1	29.91	82	84	82		ol	"	0	"	
Mid.				"	1	29.90	82	84	82		bc	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Schley*  
*Monday, December 3<sup>rd</sup>*

, U. S. Navy,  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Violent rain first hour. Barometer falling.

(Signed) *Clinton K. Curtis*

From 4 to 8 A.M. Partially clear. Pleasant. Light S.W. air. An English schooner got underway and left the harbor. At 8, closed the gallant yards and hoisted sail to a towline. Picking to the abt.

(Signed) *Samuel C. Leely*

From 8 to Midnight, Cloudy. Warm. Light air from S.W. Towing to flood at 10.40. At 9-15 expired at general quarters. East tower. Marine Guard 30°. Eugene Div. 45°. Navigator Div. 2<sup>nd</sup> 15°. 2<sup>nd</sup> Div. 2<sup>nd</sup> 35°. 1<sup>st</sup> Div. 2<sup>nd</sup> 55°. Powder Div. 3<sup>rd</sup> 15°. Thunders. Eugene Div. 30°. Navigator Div. 2<sup>nd</sup> 15°. Powder Div. 3<sup>rd</sup> 15°. 1<sup>st</sup> Div. 3<sup>rd</sup> 45°. 2<sup>nd</sup> Div. 4<sup>th</sup> 05°.

(Signed) *Charles F. T. Moore*

From Midnight to 4 P.M. Overcast and pleasant. Raining last hour, with thunders and lightning. Hoisted sail at 1. Picking to the flood.

(Signed) *Samuel K. Cogswell*

From 4 to 8 P.M. Cloudy and thundering. Light S.W. breeze. Tide turned abt at 5.30. At sundown cut down the gallant yards.

(Signed) *Clinton K. Curtis*

From 8 to Midnight. Cloudy. Falling shower. Light variable air. Thunders and lightning. Towing to flood at 11.30.

(Signed) *Charles F. T. Moore*

Examined and found to be correct.

(Signed) *Ada Walker*

*Limit.*

Navigator.



*Steamer Ensign* 3<sup>rd</sup> Rate, 6 Guns,  
Off Louisville, Palm River

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>P.W.</i>	<i>3</i>	<i>29.89</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>bc</i>	<i>Clouds</i>	<i>8</i>		
1					<i>2</i>	<i>29.87</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>"</i>	<i>"</i>	<i>8</i>		
2				<i>P.W.</i>	<i>2</i>	<i>29.87</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>"</i>	<i>"</i>	<i>4</i>		
3				<i>P.W.</i>	<i>2</i>	<i>29.87</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>ol</i>	<i>"</i>	<i>0</i>		
4				<i>P.W.</i>	<i>2</i>	<i>29.87</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>0</i>	<i>"</i>	<i>0</i>		
5				<i>P.W.</i>	<i>2</i>	<i>29.89</i>	<i>81</i>	<i>82</i>	<i>79</i>		<i>0</i>	<i>"</i>	<i>0</i>		
6				<i>"</i>	<i>2</i>	<i>29.89</i>	<i>82</i>	<i>82</i>	<i>79</i>		<i>0</i>	<i>"</i>	<i>0</i>		
7				<i>"</i>	<i>2</i>	<i>29.91</i>	<i>82</i>	<i>82</i>	<i>79</i>		<i>0</i>	<i>"</i>	<i>0</i>		
8				<i>"</i>	<i>2</i>	<i>29.94</i>	<i>82</i>	<i>82</i>	<i>79</i>		<i>0</i>	<i>"</i>	<i>0</i>		
9				<i>"</i>	<i>2</i>	<i>29.92</i>	<i>82</i>	<i>82</i>	<i>80</i>		<i>bc</i>	<i>"</i>	<i>3</i>		
10				<i>"</i>	<i>3</i>	<i>29.90</i>	<i>82</i>	<i>82</i>	<i>80</i>		<i>0</i>	<i>"</i>	<i>0</i>		
11				<i>"</i>	<i>4.6</i>	<i>29.88</i>	<i>82</i>	<i>82</i>	<i>80</i>		<i>"</i>	<i>"</i>	<i>0</i>		
Noon.				<i>"</i>	<i>3</i>	<i>29.86</i>	<i>82</i>	<i>82</i>	<i>80</i>		<i>"</i>	<i>"</i>	<i>0</i>		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1150 "

Coal consumed during the preceding 24 hours

2 tons 1640 lbs.

Coal remaining on hand at Noon

86 " 1763 "

P. M.															
1				<i>E.P.E.</i>	<i>1</i>	<i>29.83</i>	<i>81</i>	<i>83</i>	<i>81</i>		<i>bc</i>	<i>Clouds</i>	<i>2</i>		
2				<i>"</i>	<i>2</i>	<i>29.85</i>	<i>81</i>	<i>83</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>0</i>		
3				<i>"</i>	<i>1</i>	<i>29.86</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>"</i>	<i>"</i>	<i>2</i>		
4				<i>"</i>	<i>1</i>	<i>29.85</i>	<i>82</i>	<i>84</i>	<i>82</i>		<i>"</i>	<i>"</i>	<i>3</i>		
5				<i>Calms</i>	<i>0</i>	<i>29.85</i>	<i>81</i>	<i>83</i>	<i>82</i>		<i>"</i>	<i>"</i>	<i>4</i>		
6				<i>"</i>	<i>0</i>	<i>29.86</i>	<i>80</i>	<i>82</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>5</i>		
7				<i>P.W.</i>	<i>1</i>	<i>29.88</i>	<i>81</i>	<i>82</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>6</i>		
8				<i>"</i>	<i>1</i>	<i>29.90</i>	<i>81</i>	<i>82</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>9</i>		
9				<i>"</i>	<i>1</i>	<i>29.91</i>	<i>80</i>	<i>82</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>8</i>		
10				<i>"</i>	<i>1</i>	<i>29.93</i>	<i>80</i>	<i>83</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>3</i>		
11				<i>"</i>	<i>1</i>	<i>29.93</i>	<i>80</i>	<i>83</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>1</i>		
Mid.				<i>"</i>	<i>1</i>	<i>29.93</i>	<i>80</i>	<i>83</i>	<i>81</i>		<i>"</i>	<i>"</i>	<i>1</i>		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



Commander Winifred Pitt Pelley  
Tuesday December 4<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Light breeze from S.W. and W. first part, from S.W. and E. latter part of watch. Riding to the flood.

(Signed) James K. Cogswell

From 4 to 8 A.M. Cloudy. Pleasant. Light breeze from S.W. and E. Tide turned off at 5.30. At 5 started fire in boiler No. 1 and 3. Distilling at 8.

(Signed) Clinton K. Curtis

From 8 to Midnight. Overcast. Pleasant. Strong wind, with squalls from S.W. At 9.15 inspected at quarters. Spent some time at small gun. Low water slack at 10.30. At 11.30 pouring to flood. Fire banded in two trials. Steam pressure 25 lbs. Distilling. James Johnson (Sea) was released by order of Commander.

(Signed) Samuel C. Rensley

From Midnight to 4 P.M. Cloudy. Pleasant. Light variable air. Riding to flood. Fire banded in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore

From 4 to 8 P.M. Clear and pleasant. Calm first part, light air from S.W. latter part of watch. Chief Engineer T. A. Parry was placed under suspension, by order of Commander, for being under the influence of liquor. Pumping to off at 6.30. Banded fire in two trials. Steam pressure 25 lbs. Distilling.

(Signed) James K. Cogswell

From 8 to Midnight. Partially clear. Pleasant. Light S.W. breeze. Some light clouds. Low water slack at 11.30. At 12, pouring to flood. Fire banded in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley

(Signed) Aea Walker



## LOG of the UNITED STATES

Steamer "Essex" 3<sup>rd</sup> Rate, 6 Guns,  
Off Littleville, Patuxent River

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				W.	2		29.92	80	82	80		bc	Cloudy	7		
2				E. S. E.	2		29.91	80	82	80		"	"	8		
3				"	1		29.90	80	82	80		"	"	9		
4				E. S. E.	1		29.91	80	82	80		"	"	8		
5				S. E.	1		29.91	79	81	79		0	"	0		
6				"	1		29.91	78	80	78		"	"	0		
7				"	1		29.92	78	80	78		"	"	0		
8				S. S. E.	1		29.94	78	80	76		bc	"	2		
9				S. S. E.	1		29.95	79	82	80		"	"	3		
10				S. W.	1		29.96	81	83	81		"	"	4		
11				S. W.	1		29.95	82	85	82		"	"	4		
Noon.				"	1		29.93	82	85	82		"	"	4		

Distance run by Log since preceding Noon

knots fathoms

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water condensed during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

1 tons 2410 lbs.

Coal remaining on hand at Noon

84 " 1793 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
1				S. S. W.	2		29.91	83	85	83		bc	Cloudy	2		
2				"	2		29.89	83	85	83		"	"	3		
3				S. E.	2		29.87	83	85	83		"	"	4		
4				E. S. E.	2		29.85	83	86	83		"	"	4		
5				"	2		29.87	83	86	83		"	"	5		
6				"	2		29.88	83	85	83		"	"	4		
7				"	1		29.90	82	85	82		"	"	6		
8				E.	1		29.91	82	85	82		"	"	7		
9				"	1		29.91	82	85	82		"	"	5		
10				"	1		29.93	82	84	82		"	"	3		
11				"	1		29.93	82	84	82		"	"	5		
Mid.				"	1		29.95	82	84	82		"	"	7		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commander Winfield Scott Kelley  
Wednesday December 5<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light variable  
air - Riding to flood. Fire tanked in two trials - Steam pressure 25 lbs.  
Distilling -

(Signed) Charles F. T. Moore

From 4 to 8 A.M. Faircast and pleasant. Light air from S.W. and E.  
At 8, crowd tops gallant yards and loosed sail to a bobline. Running to  
ast at 6. Fire tanked in two trials - Steam pressure 25 lbs. Distilling -

(Signed) James K. Cogswell

From 8 to Midnight, Cloudy. Warm. Light breeze from S.W. and E.  
shifting to S.W. and W. At 9-15 inspected at quarters. Exercised at  
great guns. Fire tanked in two trials - Steam pressure 25 lbs. Distilling.  
(By order of Commander, W. W. Sheldon (C.P. 26) was placed in double row  
for disobedience of orders -

(Signed) Clinton K. Curtis

From Midnight to 4 P.M. Partially clear. Warm. Light variable air. In, some  
light clouds. At 1, furled sail. Hove up fore anchor and cleared it.  
Let go starboard anchor. Fire tanked in two trials - Steam pressure  
25 lbs. Distilling -

(Signed) Samuel C. Rumble

From 4 to 8 P.M. Clear and pleasant. Light breeze from S.W. and E.  
Sent down tops gallant yards at sunset. Making preparations for  
sea. Running to ast at 6-50. Fire tanked in two trials - Distilling -

(Signed) Charles F. T. Moore

From 8 to Midnight. Partially cloudy. Pleasant. Light E. breeze. Ship  
riding to ast.

(Signed) Clinton K. Curtis

(Signed) Asa Walpole



## LOG of the UNITED STATES

*Steamer Essex* 3<sup>rd</sup> Rate, 6 Guns,  
Off Louisville, Galena River and At Sea

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. std.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				N.E.	2		29.95	81	83	80		bc	Cir Cum 8	9		
2				"	2		29.91	80	83	80		"	"	8		
3				"	2		29.88	79	82	80		"	"	8		
4				S.W.	2		29.85	78	81	79		"	"	8		
5				"	2		29.85	78	80	78		"	"	9		
6			Standing out of Galena River mouth	"	1		29.86	78	80	78		"	"	7		Fit F.T. M. 3.2
7	10	0	S.W. 4 W.	S. 4 W.	1		29.87	79	81	80		"	"	7		M. fog sail 24
8	10	0	"	"	2		29.88	80	81	79		"	"	8		Specimen.
9	9	4	"	"	2		29.90	80	83	80		"	"	1		
10	9	0	"	"	2		29.90	81	84	79		"	"	1		
11	9	0	"	"	2		29.90	83	86	82		"	"	4		
Noon.	2	0	"	"	2		29.87	83	86	83		"	"	4		

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

40 knots 4 fathoms.

0° 08' 00" N.

8° 54' 30" E.

0° 07' 52" N.

"

"

"

"

250 gallons.

700 "

2500 "

12 tons 330 lbs.

72 " 1463 "

120.2

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.	Ther. std.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	9	0	S.W. 4 W.	S.W. 4 W.	2		29.85	84	87	84		bc	Cir Cum 7	9		
2	9	0	"	"	2		29.82	85	88	84		"	"	7		
3	18	4	"	"	2		29.82	85	88	84		"	"	7		
4	8	0	S.W. 4 W.	"	2		29.80	85	88	84		"	"	5		
5	7	6	S. 1/2 E.	"	2		29.81	83	86	83	88	"	Cir Cum 3	2		Four 1/2 aft sail.
6	8	6	"	"	2		29.82	83	85	82	88	"	"	3		
7	9	0	"	S.W.	2		29.85	83	84	82	88	"	"	5		
8	8	6	"	"	2		29.87	83	85	82	88	"	Cir Cum 8	"		
9	5	0	"	"	2		29.88	83	84	82	84	"	"	8		
10	8	0	"	"	2		29.88	83	84	82	84	"	Cum 7	"		
11	8	6	"	"	3		29.87	82	84	82	84	"	"	14		
Mid.	8	2	"	"	3		29.85	82	84	82	84	"	"	1		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Clear Cool. Pleasant. Light N.E. breeze. In. Sun, clouds. At 2.30 started fire in four boilers. Raising to flood. Fire burned in two boilers. Steam pressure 25 lbs. Distilling. (Signed) Samuel C. Lundy, Ensign.
- From 4 to 8 A.M. Clear and pleasant. Light breeze from S.W. and W. At 5.50 got underway and stood out from Liverpool. Steaming with six boilers. At 7.50 set fore and aft sail. Draught forward 13 feet 8 in. Amidships 14 feet 9 in. Aft 15 feet 10 in. Steam pressure 60 lbs. Revolutions 57. (Signed) Charles J. T. Moore, Ensign.
- From 8 to Midnight, Cloudy and Warm. Light breeze from S.W. and W. At 10, went through the ceremony of receiving and granting respect to Neptune. At 11, showed a small flock in distance, went along side. Found the "Humburg", George Morgan, Master, in want of provisions and water. Gave her 5 lbs. coffee, 25 lbs. bread and 20 gals. water. Steaming with six boilers. Steam pressure 60 lbs. Revolutions 54. (Signed) James K. Cogswell, Ensign.
- From Midnight to 4 P.M. Clear. Warm. Light breeze from S.W. and W. Steaming two stoke power. Barometer falling. At 2, made two bands, bearing (rec) S.E. 1/2 E. At 3 changed course to S.W. 1/4 W. By order of Commander, Chief Engineer P.A. Francis was released from suspension. (Signed) Clinton K. Smith, Ensign.
- From 4 to 6 P.M. Partially clear. Warm. Light S.W. breeze. At 4.40 set fore and aft sail. At 6, mustered at quarters. Steaming with six boilers. Steam pressure 65 lbs. Revolutions 60. (Signed) Samuel C. Lundy, Ensign.
- From 6 to 8 P.M. Clear and pleasant. Light breeze from S.W. Steaming with six boilers. Steam pressure 65 lbs. Revolutions 58. Temperature of furnace 104°. (Signed) Charles J. T. Moore, Ensign.
- From 8 to Midnight. Cloudy and pleasant. Light breeze from S.W. and W. Roused at 9 and 11, in 25 and 35 fathoms respectively. Soft bottom. Steaming with six boilers. Steam pressure 60 lbs. Revolutions 50. (Signed) James K. Cogswell, Ensign.

Examined and found to be correct.

(Signed) Aea Walker, Ensign.

Navigator.



Steamer *Essex* At Sea

Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETRIC.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8	4	S. by E.	S. by E.	2		29.86	81	84	82	84	bc	Clouds	1		Four 1/2 aft sail.
2	9	0	"	"	12		29.83	81	84	82	84	"	"	2	"	"
3	9	0	"	"	12		29.82	81	84	82	84	"	"	3	"	"
4	9	5	"	"	12		29.80	81	84	82	84	"	"	3	"	"
5	9	0	"	"	12		29.83	81	83	80	84	"	"	6	"	Main 1/2 sail
6	8	2	"	"	1		29.86	81	83	80	84	"	Clouds	6	"	"
7	8	6	"	"	1		29.87	81	83	84	84	"	"	5	"	"
8	8	4	"	"	1		29.88	81	84	82	84	"	"	3	"	"
9	8	2	S. by E.	S. by E.	1		29.90	82	84	82	84	"	"	5	"	"
10	8	2	S. by E.	"	1		29.90	82	84	82	84	"	"	3	"	"
11	7	6	"	"	1		29.89	82	84	82	84	"	"	4	"	"
Noon.	6	6	"	"	1		29.88	83	85	82	84	"	"	3	"	"

Distance run by Log since preceding Noon

200 knots 0 fathoms.

Latitude by D. R. at Noon

3. 05.34

Longitude by D. R. at Noon

9. 47.00

Latitude by Observations at Noon

3. 13.40

Longitude by Chronometer from Forenoon Observations

9. 37.00

Current during the time knots 4 fms. per hour, setting to the

S. by E. 1/2 W.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

7.40 A.M.

18.00.00 W.

Water expended during the preceding 24 hours

250 gallons.

Water

during the preceding 24 hours

"

Water remaining on hand for use at Noon

2000 "

Coal consumed during the preceding 24 hours

12 tons 590 lbs.

Coal remaining on hand at Noon

60 " 873 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
1	6	4	S. by E.	S. by E.	2		29.83	82	85	82	85	bc	Clouds	4	Four 1/2 aft sail.
2	8	2	"	"	2		29.81	82	85	82	85	"	"	2	"
3	9	0	"	"	2		29.80	82	84	82	85	"	"	0	"
4	9	2	"	"	3		29.80	82	84	82	85	"	"	1	"
5	8	4	"	"	2		29.79	82	84	81	85	"	"	1	"
6	8	2	"	"	2		29.81	81	84	81	85	"	"	2	"
7	8	6	"	"	3		29.85	81	83	81	85	"	Clouds	3	"
8	9	0	"	"	3		29.86	81	83	81	84	"	"	4	"
9	9	4	"	"	2		29.88	81	83	81	84	"	"	6	"
10	9	0	"	"	2		29.86	81	82	80	84	"	"	6	"
11	9	0	"	"	2		29.86	81	82	80	84	"	"	7	"
Mid.	7	4	"	"	2		29.86	81	82	80	84	"	"	8	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Bell  
Friday December 7<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Pleasant - Light breeze from S.W.  
At 2, got cast of lead in 30 fathoms. Steam pressure 63 lb. - Revolutions 53 -  
(Signed) Clinton K. Curtis

From 4 to 8 A.M. Clear - Pleasant - Light S.W. - fair. Sea, calm, thin clouds. At  
5, got cast of lead in 40 fathoms of water, bottom blue mud. Steaming with  
rip boiler. Steam pressure 66 lb. - Revolutions 54. Temp. of surface, 105° -  
(Signed) Samuel C. Lundy

From 8 to Midnight, Cloudy - Pleasant - Light air from S.S.W. - Steaming with  
rip boiler. At 10, set pit, F.T.W.D.S. and spanker. At 9.15 expended at fire  
quartus. Cast down. 1<sup>st</sup> Dir, 45° - Powder Dir 50° - Nav. Dir, 1<sup>st</sup> 05° 2<sup>nd</sup> Dir,  
1<sup>st</sup> 10° - Eng. Dir, 1<sup>st</sup> 15° - Powder Dir, 50° - Nav. Dir, 1<sup>st</sup> 05° 2<sup>nd</sup> Dir,  
1<sup>st</sup> 10° - 1<sup>st</sup> Dir - 1<sup>st</sup> 35° - Eng. Dir, 1<sup>st</sup> 42° - At 8, changed course to S by E, 1/4 E.  
At 9, changed course to S by E, 3/4 E. By order of Commander, W.W. Hudson (P.L.C.)  
was released from confinement. By order of Commander, Herman Whipple (P.L.C.)  
was confined in double iron for insubordination and disobedience of order. Walter C.C.  
Farley (P.L.C.) was placed in solitary confinement on bread and water, for  
insubordination on quarter deck. Steam pressure 60 lb. - Revolutions 45 -  
(Signed) Charles F. T. Moore

From Midnight to 4 P.M. Cloudy and pleasant - Light breeze from S. and W. -  
Steaming with rip boiler. Steam pressure 65 lb. - Revolutions 54. Long swell from N.W.  
(Signed) James K. Cogswell

From 4 to 6 P.M. Cloudy - Pleasant - Light breeze from S.S.W. - Steaming with rip  
boiler. Steam pressure 65 lb. - Revolutions 52 -  
(Signed) Clinton K. Curtis

From 6 to 8 P.M. Partly clear - Pleasant - Moderate S.S.W. breeze - Sea, calm, thin  
clouds. At 6, hauled down F.T.W.D.S. At 6.25 hauled down F.T.W.D.S. Steaming  
with rip boiler. Steam pressure 65 lb. - Revolutions 65. Temp. of surface 118° -  
(Signed) Samuel C. Lundy

From 8 to Midnight. Clear and pleasant - Light breeze from S.S.W. At 11,  
took in pit and spanker. At 11.30 got cast of lead, bottom at 90 fathoms.  
Steaming with rip boiler. Steam pressure 65 lb. - Revolutions 54 -  
(Signed) Charles F. T. Moore

Examined and found to be correct.

(Signed) Ala Walker

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Air.	Dry Bulb.	Wet Bulb.					
A. M.															
1	9 0		P.P.C.	S.P.W.	3	29.83	82	82	80	82	bc	Clear	7		
2	9 0		"	"	3	29.84	82	83	81	82	bc	"	0		
3	9 0		"	"	3	29.86	81	83	81	82	"	"	0		
4	7 0		"	"	3	29.82	81	83	81	82	bc	"	0		
5	9 2		"	"	2	29.89	80	83	81	83	o/c	"	0		Free 1/2 aft sail.
6	8 4		"	"	2	29.86	81	83	81	83	o	"	0		"
7	8 4		"	"	2	29.85	81	83	81	83	"	"	0		
8	8 6		"	"	2	29.90	81	83	81	83	o/c	"	1		
9	7 2		S.E. 1/4 S.	"	2	29.91	80	83	80	83	bc	"	1		
10	8 0		"	"	2	29.90	80	83	82	84	bc	"	3		
11	8 2		"	"	2	29.87	82	85	82	84	"	"	1		
Noon.	8 0		"	"	2	29.88	82	84	82	84	"	"	1		

Distance run by Log since preceding Noon

206 knots 4 fathoms.

Latitude by D. R. at Noon

5. 48. 45. S.

Longitude by D. R. at Noon

11. 53. 00. E.

Latitude by Observations at Noon

5. 22. 30. S.

Longitude by Chronometer from Forenoon Observations

11. 50. 30. E.

Current during the time / knots fms. per hour, setting to the N.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

19. 35. 00. W.

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

11 tons 630 lbs.

Coal remaining on hand at Noon

49. 245. "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Barometer.	Height in inches.	Air.	Dry Bulb.	Wet Bulb.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	6 4		S.E. 1/4 S.	S. S. W.	2	29.87	82	85	82	84	bc	Clear	2		Set Main by rail
2	8 6		"	"	3	29.87	82	84	82	84	"	"	5		and spanker.
3	9 2		"	"	3	29.86	82	84	82	84	"	"	5		
4	8 6		"	"	3	29.82	82	84	82	84	"	Clear	6		
5			"	"	2	29.80	82	84	82	84	"	"	7		
6			"	"	2	29.80	81	83	81	81	"	"	7		
7			"	"	2	29.88	81	83	81	81	"	"	7		
8			"	"	2	29.85	80	83	80	80	"	"	5		
9			"	"	2	29.86	80	82	80	80	"	"	7		
10			"	"	2	29.88	80	82	80	80	"	"	7		
11			"	"	2	29.89	80	82	80	80	"	"	7		
Mid.			"	"	2	29.89	80	82	80	80	"	"	7		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Schley*  
*Saturday December 8<sup>th</sup>*

, U. S. Navy,  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commence and until 4 A.M. Cloudy and pleasant. Light breeze from S.E.W. Raining later part of watch. At 11.30 got soundings, no bottom at 80 fathoms. Steaming with six boilers. Steam pressure 60 lbs. Revolution 52.*  
*(Signed) James K. Cogswell* *Lieut.*
- From 4 to 8 A.M. Cloudy. Passing showers first and last hours. Light breeze from S.E. and W. Steaming with six boilers. Steam pressure 60 lbs. Revolution 52.*  
*(Signed) Clinton K. Curtis* *Lieut.*
- From 8 to Midnight. Cloudy with passing showers. Light S.W. breeze. Some, thin, clouds. At 9.30 hauled down head sails and took in spanker. At 10, took in main top sail. Steaming with six boilers. Steam pressure 60 lbs. Revolution 48.*  
*(Signed) Samuel C. Rensley* *Ensign.*
- From Midnight to 4 P.M. Cloudy. Pleasant. Light breeze from S.E.W. At 12.15 changed course to S.E. At 1.15 put fore and aft sail. At 1.30 righted land on fore bow. At 3, got cast of lead in 20 fathoms, soft bottom. Steaming with six boilers. Steam pressure 60 lbs. Revolution 50.*  
*(Signed) Charles F. T. Moore* *Ensign.*
- From 4 to 6 P.M. Clear and pleasant. Light breeze from S.E.W. At 4.30 took in fore and aft sail. At 4.50 came to anchor off St George's Coast, in 9 fathoms of water, using 45 fathoms starboard chain. Position undetermined. Drought forward 13 feet 8 in. Amidships 14 feet 9 in. Aft 15 feet 10 in. Five tanks in six boilers. Steam pressure 60 lbs. Revolution 55. Commenced distilling at 5. Current 2 knots 6 fathoms, setting to the N.W.*  
*(Signed) James K. Cogswell* *Lieut.*
- From 6 to 8 P.M. Clear and pleasant. Light breeze from S.E. and W. Five tanks in four boilers. Distilling.*  
*(Signed) Clinton K. Curtis* *Lieut.*
- From 8 to Midnight. Clear. Cool. Pleasant. Light S.E.W. breeze. Clear, some clouds. Moon set at 9.15. Five tanks in four boilers. Steam pressure 30 lbs. Distilling.*  
*(Signed) Samuel C. Rensley* *Ensign.*

Examined and found to be correct.

*(Signed) Aca Walpole* *Lieut.*

Navigator.



*Steamer "Essex"* 3<sup>rd</sup> Rate, 6 Guns,  
Off Coast of Congo & Congo River

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the suit the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				P.P.W.	2		29.87	81	83	81		bc	Cum	9	2	
2				"	2		29.87	81	83	81		bc	Hum	10	"	
3				"	2		29.86	81	83	81		bc	Hum	9	"	
4				"	2		29.86	81	83	81		"	"	9	"	
5				"	2		29.86	81	83	81		"	"	8	"	
6				P. S. E.	1		29.85	80	82	80		"	Cum	1	"	
7	9 2	P. S. E.		"	1		29.87	80	82	80		"	"	1	"	
8	9 6	"		"	1		29.88	81	84	81		"	"	3	"	
9	Standing into			E. S. E.	1		29.90	81	85	82		"	"	2	"	
10	Congo River.			P. S. W.	1		29.88	81	86	82		"	"	3	"	
11				P. W.	1		29.87	82	86	83		"	"	4	"	
Noon.	At Anchor			H. P. W.	1		29.85	83	86	83		"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water consumed during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

6 tons 420 lbs.

Coal remaining on hand at Noon

42 " 2063 "

P. M.																
1				H. P. W.	3		29.83	83	86	84		bc	Cum	6	2	
2				"	3		29.82	83	86	84		"	"	7	"	
3				"	3		29.80	83	86	83		"	"	7	"	
4				"	3		29.78	83	86	83		"	"	7	"	
5				"	3		29.79	83	86	83		"	"	6	"	
6				P. W.	2		29.80	83	86	83		"	"	5	"	
7				"	2		29.80	82	85	82		"	"	5	"	
8				"	2		29.82	82	84	82		"	"	7	"	
9				"	1		29.84	82	84	82		"	"	7	"	
10				"	1		29.86	81	83	81		"	"	7	"	
11				"	1		29.86	81	83	81		"	"	7	"	
Mid.				"	1		29.86	81	83	81		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Schley  
Sunday - December 9<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear and pleasant. Light breeze from S.W. Fire tanked in six boilers. Distilling - (Signed) Charles B. T. Moore

From 4 to 8 A.M. Cloudy and pleasant. Light air from S. and W. At 5-45 got underway and let the coals S. by E. Summit W. by W. 2 1/2 knots. Draught forward 13 feet 8 in. Amidships 14 feet 9 in. Aft 15 feet 10 in. Steaming with six boilers. Steam pressure 65 lbs. Revolutions 54. Running across the mouth of the Congo, in 9 and 11 fathoms of water.

(Signed) James K. Cogswell

From 8 to Merid. Partly cloudy. Warm. Light breeze from S. and E., shifting to S. and W. At 9-25 came to anchor in the Congo River, in 6 fathoms of water, being to 50 fathoms Starboard chain. Buoys at anchor. North pt. of Sharp's pt. (J.C.) W. W. by W. 3/4 W. South pt. S. W. 1/4 S. Hauled down much Ensign, which had been hoisted at the peak, and run up the American one coming to. Fire tanked in six boilers. Steam pressure 20 lbs. Distilling -

(Signed) Clinton K. Curtis

From Merid. to 4 P.M. Clear. Warm. Moderate W. S. W. breeze. Six guns. A Portuguese schooner stood out to sea, displayed colors in passing. Fire tanked in six boilers. Steam pressure 20 lbs. Distilling -

(Signed) Samuel C. Lundy

From 4 to 8 P.M. Clear and pleasant. Light breeze from S.W. By order of Commander, Lieut. James K. Cogswell was placed under arrest for being intoxicated while on duty. Fire tanked in six boilers. Steam pressure 25 lbs. Distilling -

(Signed) Charles B. T. Moore

From 8 to Midnight. Clear and pleasant. Light breeze from S.W. Fire tanked in six boilers. Steam pressure 20 lbs. Distilling -

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Asa Walpus

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prev. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. std.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				S. by W.	1		29.86	81	82	80		bc	6	6	7	A
1				"	1		29.85	80	82	80		"	"	7	"	
2				"	1		29.85	80	82	80		"	"	7	"	
3				"	1		29.85	80	82	80		"	"	7	"	
4				"	1		29.85	80	82	80		"	"	7	"	
5				"	1		29.86	80	82	80		"	"	7	"	
6				"	1		29.85	80	82	80		"	"	7	"	
7				S. by W.	1		29.85	80	82	80		"	"	7	"	
8				S. by E.	1		29.84	81	82	80		0	"	2	"	
9				S.	1		29.86	81	82	80		"	"	2	"	
10				S. by W.	1		29.87	81	83	81		bc	"	3	"	
11				S. by W.	1		29.89	82	83	82		"	"	4	"	
Noon.				S. by W.	1		29.87	82	85	83		"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water *consumed* during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

8 tons 768 lbs.

Coal remaining on hand at Noon

34 " 1295 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. std.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prev. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
1				S. by W.	1		29.85	83	85	83		bc	6	6	4	A
2				"	1		29.83	84	86	83		"	"	2	"	
3				"	1		29.81	84	85	83		"	"	2	"	
4				"	1		29.79	83	85	82		"	"	2	"	
5				S. by W.	1		29.78	81	84	81		"	"	3	"	
6	2 0			S. by W.	3		29.79	81	84	81		"	"	2	"	
7	9 0			S. by W.	3		29.82	81	81	80		"	"	8	"	
8	9 2			S. by W.	3		29.84	80	82	80	82	"	"	9	"	
9	9 6			"	3		29.87	81	82	80	82	0	"	0	"	
10	9 6			"	3		29.90	79	82	80	82	bc	"	2	"	
11	9 6			"	4		29.90	80	82	80	82	"	"	1	"	
Mid.	9 4			"	4		29.90	80	82	80	82	0	"	0	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

Main key part  
Fit. W. key part  
and S. key part



Commander Winfield Scott Schley  
Monday December 10<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 A.M. Clear and pleasant. Light W. S. W. breeze. Cir. Cum. clouds. Time tanked in four trials. Steam pressure 20 lb. Distilling - (Signed) Samuel C. Lundy Ensign.
- From 4 to 8 A.M. Clear and pleasant first part overcast latter part of watch. Light variable air. Time tanked in six trials. Steam pressure 33 lb. Distilling - (Signed) Charles J. T. Moore Ensign.
- From 8 to Midnight, Cloudy and warm. Light air from S. and W. At 9.15 inspected at quarters. At 10, Tom Day, 2<sup>nd</sup> King of Charles St. and wife came on board. By order of Commander, Harman Wynn (Q. L. C.) and E. E. Barclay (Q. L. C.) were released from confinement. Time tanked in six trials. Steam pressure 25 lb. Distilling - (Signed) Clinton K. Curtis Lieut.
- From Midnight to 4 P.M. Cloudy, Pleasant. Light breeze from W. S. W. Barometer falling. At 3, brought chain to capstan and got ready for leaving in. At 3.55 called all hands up anchor. Dragnet forward 15 fathoms in. Anvils 14 fathoms 9 in. Off 15 fathoms 10 in. At 3.40 spread fine. Steam pressure 25 lb. Distilling - (Signed) Samuel C. Lundy Ensign.
- From 4 to 6 P.M. Cloudy, Pleasant. Light S. W. breeze. Cir. Cum. clouds. At 4.06 got underway and stood out of Congo River. At 5.45 set course S. Padron point having (see) E. N. E. distant four miles. At 5.50 set main top sail. Steaming with six trials. Steam pressure 65 lb. Revolution 50 - (Signed) Charles J. T. Moore Ensign.
- From 6 to 8 P.M. Clear and pleasant. Moderate breeze from S. and W. At 7.35 set fit and spanker. Steaming with six trials. Steam pressure 63 lb. Revolution 54. At 8, got cast of lead in 15 fathoms, bottom, mud and gray sand. (Signed) Clinton K. Curtis Lieut.
- From 8 to Midnight. Cloudy, Pleasant. Moderate breeze from S. and W. At 10, got cast of lead in 15 fathoms, bottom, mud and dark sand. More set at 10.45. At 10-15 sighted two white lights off port beam. Steaming with six trials. Steam pressure 63 lb. Revolution 58. (Signed) Samuel C. Lundy Ensign.

Examined and found to be correct.

(Signed) Wm. Walker Lieut.

Navigator.



*Steamer "Essex"*  
*At Sea of St Paul de Loanda*  
*Rate, 6 Guns,*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air &c.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 4		<i>S.</i>	<i>S.W.</i>	1		29.88 81	83 81 83				<i>Clear</i>	<i>bc</i>	1		<i>From 3rd Aft. Sail.</i>
2	8 6		"	<i>S.W. by S.</i>	1		29.88 81	83 81 83				"	0	0	"	<i>exact 12.1.11. S.S.</i>
3	9 2		"	"	1		29.88 81	83 81 83				"	"	0	"	
4	9 6		"	"	1		29.88 81	83 81 82				"	<i>bc</i>	1	"	
5	9 4		"	<i>S. S. W.</i>	2		29.88 81	83 81 82				<i>Clear</i>	<i>bc</i>	3	"	
6	14 4		<i>S. 1/4 E</i>	"	2		29.90 81	83 81 81				"	"	1	"	
7	9 4		"	<i>S. 1/4 E</i>	2		29.90 81	83 81 81				"	"	3	"	
8	9 0		"	<i>S. 1/4 E</i>	2		29.92 81	83 81 81				"	"	2	"	
9	9 2		<i>S. 1/4 E</i>	<i>S. S. E.</i>	2		29.94 80	83 79 82				"	"	4	"	
10	14 2		<i>S. 1/4 E</i>	<i>S. E. by S.</i>	2		29.95 81	83 80 82				"	"	3	"	
11	14 2		<i>S. 1/4 E</i>	"	2		29.94 83	85 82 82				"	"	3	"	
Noon.	<i>Standing in for</i>		<i>St Paul de Loanda</i>	<i>Calms</i>	0		29.93 84	87 84 82				"	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1800 "

Coal consumed during the preceding 24 hours

8 tons 744 lbs.

Coal remaining on hand at Noon

26 " 551 "

P. M.																
1	<i>At Anchor</i>	<i>West</i>	2	29.90 84	86 83	<i>bc</i>	<i>Clear</i>	6	<i>S</i>							
2	"	"	2	29.87 83	86 83	"	"	8	"							
3	"	"	2	29.87 83	85 83	"	"	8	"							
4	"	"	2	29.87 82	85 83	"	"	8	"							
5	"	"	1	29.88 82	84 82	"	"	5	"							
6	"	"	1	29.88 80	83 81	"	"	5	"							
7	"	"	1	29.88 80	82 80	"	"	5	"							
8	"	"	1	29.90 80	82 80	"	"	5	"							
9	"	"	1	29.91 80	82 80	"	"	5	"							
10	"	"	1	29.93 80	82 80	"	"	3	"							
11	"	"	1	29.94 80	82 80	0	<i>Clear</i>	0	"							
Mid.		<i>Calms</i>	0	29.95 80	82 80	"	"	0	"							

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Pellay  
Tuesday December 11<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast - Cloudy - Light breeze from S<sup>th</sup> and W<sup>th</sup>. At 1, got cast of lead, no bottom at 27 fathoms. At 1.40 took in fore and aft sail. At 4, got cast of lead, no bottom at 28 fathoms. Steam pressure 65 lbs. Revolution 50.

(Signed) Charles B. T. Moore

From 4 to 8 A.M. Cloudy - Pleasant. Clear, sun, thin clouds. Light S.W. breeze. At 5, sighted high land ahead. At 5.30 changed course to S. by E. Sighted a steamer standing to W<sup>th</sup>. Steaming with six boilers. Steam pressure 60 lbs. Revolution 51.

(Signed) Richard Henderson

From 8 to Merid, Cloudy - Warm. Light breeze from S<sup>th</sup> and E<sup>th</sup>. Steaming with six boilers. At 9.15 inspected at quarters. At 9, changed course to S. by E. At 9.30 to S. by E. At 10.15 to S. by E. At 10.50 to S. Charles Gunn (Jr. M.) was honorably discharged from ship and from the Naval Service, his term of enlistment having expired. Standing in for Mr Paul de Loanda. Steam pressure 60 lbs. Revolution 51.

(Signed) Clinton K. Curtis

From Merid, to 4 P.M. Clear and warm, with moderate breeze from West. At 12.45 anchored in Bay of St Paul de Loanda, with fore anchor, 14 1/2 fathoms water, 45 fathoms chain. Buoys at anchorage. Port San Miguel (Jr.) H.P.M. 14 H.P. Port San Francisco (Jr.) S. by E. Health Officer came on board and practice. Received visits from English gunboat "Swallow", and from Portuguese Senior Officer ship. H.P.M. Consul and American Vice Commercial Agent called on Commanding Officer. At 1.30 English gunboat "Swallow" left the harbor. Draught forward 18 feet 6 in. Amidships 14 feet 8 in. Aft 15 feet 9 in. Saw first fire in six boilers. Steam pressure 20 lbs. Distilling.

(Signed) Samuel C. Reedy

From 4 to 8 P.M. Clear and pleasant. Light breeze from W<sup>th</sup>. At 5.25 hauled fire in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Charles B. T. Moore

From 8 to Midnight. Cloudy - Pleasant. Light air from W<sup>th</sup>, and calm. Fine lamped in four boilers. Steam pressure 20 lbs. Distilling.

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Ora Walpole

Navigator.



## LOG of the UNITED STATES

Steamer "Essex"  
 St Paul de Roanda  
 3<sup>rd</sup> Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				Calms	0		29.96	80	81	80	bc	Cumulus	2	1	
2				"	0		29.95	80	81	80	or	"	0	"	
3				"	0		29.94	80	81	80	"	"	0	"	
4				"	0		29.94	80	81	80	"	"	0	"	
5				"	0		29.94	79	80	78	"	"	0	"	
6				"	0		29.96	79	80	78	"	"	0	"	
7				E d	1		29.97	79	80	78	bc	"	1	"	
8				"	1		29.98	79	80	78	bc	"	1	"	
9				Calms	0		29.98	80	81	79	ol	"	0	"	
10				"	0		29.98	80	82	80	"	"	0	"	
11				P.W.	1		29.97	80	82	80	bc	"	1	"	
Noon.				"	1		29.97	80	82	80	"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

350 gallons.

Water consumed during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

1 tons 1010 lbs.

Coal remaining on hand at Noon

24 " 1781 "

P. M.															
1				H. P. H.	1		29.94	81	83	81	bc	Cumulus	5	1	
2				H.	1		29.92	82	84	82	"	"	5	"	
3				"	1		29.89	82	84	82	"	"	5	"	
4				"	1		29.87	82	84	82	"	"	6	"	
5				"	1		29.87	81	83	81	"	"	6	"	
6				"	1		29.88	80	82	80	"	"	4	"	
7				"	1		29.89	80	81	79	"	"	4	"	
8				"	1		29.89	80	80	79	"	"	9	"	
9				"	1		29.92	80	80	79	"	"	9	"	
10				"	1		29.95	79	81	80	"	"	9	"	
11				"	1		29.95	78	81	80	"	"	9	"	
Mid.				"	1		29.92	79	81	79	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Pellis  
Wednesday December 12<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast and rainy. Calm. Fire tanked in two boilers. Steam pressure 22 lb. Distilling - (Signed) Samuel C. Leely

From 4 to 8 A.M. Overcast and rainy first three hours, cloudy & threatening last hour. Calm & light air from E. Fire tanked in two boilers. Steam pressure 25 lb. Distilling - (Signed) W. J. Hannum

From 8 to Merid. Overcast. Falling shower. Calm & light S.W. by air. At 9.15 inspected at quarters. Commanding Officer & staff paid an official visit to the Governor. Received in ship company Charles Fann (Qu. M.) having re-enlisted for three years general service, from this date inclusive. A small Dutch steamer left the harbor. Fire tanked in two boilers. Steam pressure 25 lb. Distilling - (Signed) Charles F. T. Moore

From Merid. to 4 P.M. Cloudy. Warm. Light air from W. At 12.15 hoisted sail. Fire tanked in two boilers. Steam pressure 25 lb. Distilling - (Signed) W. H. Allen

From 4 to 8 P.M. Cloudy & pleasant. Light air from W. At 4.35 hoisted sail. Fire tanked in two boilers. Distilling - (Signed) Samuel C. Leely

From 8 to Midnight. Cloudy. Pleasant. Bright moonlight. Clear, calm, cloudy. Light S.W. by breeze. Moon set at 12. Fire tanked in two boilers. Steam pressure 25 lb. Distilling - (Signed) Charles F. T. Moore

Examined and found to be correct.

(Signed) Ada Walpole  
Lieut.

Navigator.



*Steamer "Essex"*  
*Paul de Roanda*

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the roll (the vessel is under way) at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.													
1			W	1	29.92	80	82	80		bc	Cum 8	8	
2			"	1	29.93	80	82	80		"	Cum 8	8	
3			S.W.	1	29.92	80	82	80		"	" 5	"	
4			S.	1	29.90	80	82	80		"	Cum 6	6	
5			Calms	0	29.91	80	81	79		"	" 4	"	
6			"	0	29.92	78	81	80		"	" 2	"	
7			"	0	29.92	79	81	81		"	" 1	"	
8			"	0	29.94	80	82	81		"	" 1	"	
9			N.W.	1	29.95	80	82	80		"	" 1	"	
10			"	1	29.95	80	82	80		"	" 2	"	
11			"	1	29.95	81	83	80		"	" 2	"	
Noon.			"	1	29.93	82	84	82		"	" 2	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water *Consumed* during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons 1450 lbs.

Coal remaining on hand at Noon

24 831 "

P. M.													
1			W	2	29.91	82	84	82		bc	Cum 5	5	
2			"	2	29.88	82	84	82		"	" 6	"	
3			"	2	29.85	82	84	82		"	" 6	"	
4			"	2	29.82	82	84	82		"	" 6	"	
5			"	2	29.82	82	83	82		"	Cum 6	"	
6			"	2	29.81	81	82	81		"	" 7	"	
7			N.W.	2	29.83	80	82	80		"	" 6	"	
8			"	2	29.85	80	82	80		"	" 8	"	
9			"	2	29.85	80	82	80		"	" 8	"	
10			"	1	29.87	80	82	80		"	" 8	"	
11			"	1	29.87	80	82	80		"	" 8	"	
Mid.			"	1	29.87	80	82	80		"	" 8	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

\*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Thursday December 13<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light variable air. Fine tankard in hot boiler. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

Lieut.

From 4 to 5 A.M. Cloudy and pleasant. Calm. Received on board 190 lbs fresh beef. Fine tankard in hot boiler. Distilling.

(Signed) T. D. Griffin

Mid<sup>l</sup>.

From 5 to 8 A.M. Cloudy. Warm. Light air from N<sup>th</sup> and W<sup>th</sup>. Barometer steady. By order of Commander, J. H. Kalm (S. S. C.) was placed in solitary confinement, on bread and water, for direct disobedience of order. John Hall (S. S. C.) was given from home extra duty for missing rounds. An Aide de Camp to Governor General of the province called on Commanding Officer. Robert Spencer and stowed it below. At 10, landed five in hot remaining boiler. Portuguese Mail Steamer "China" steamed out of the harbor.

(Signed) Samuel C. Leach

Ensign.

From 8 to 4 P.M. Clear. Warm. Moderate W. by breeze. Clear, sun, thin clouds. Commanding Officer of Portuguese Flag ship paid an official visit to the Commander. Commenced coaling ship.

(Signed) Charles F. Moore

Ensign.

From 4 to 8 P.M. Clear and pleasant. Light breeze from W<sup>th</sup>. Engaged in coaling ship first part of watch.

(Signed) Clinton K. Curtis

Lieut.

From 8 to Midnight Clear and pleasant. Light air from W. F. W. Bright moonlight.

(Signed) Samuel C. Leach

Ensign.

Examined and found to be correct.

(Signed) Aea Harper

Lieut.

Navigator.



*Steamer Essex*  
*St Paul de Loanda*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at f'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>W. S. W.</i>	<i>1</i>		<i>29.88</i>	<i>78</i>	<i>81</i>	<i>79</i>		<i>bc</i>	<i>Clear</i>	<i>6</i>	<i>bc</i>	
1					<i>1</i>		<i>29.87</i>	<i>78</i>	<i>81</i>	<i>79</i>		"	<i>Clear</i>	<i>5</i>	"	
2				<i>S. W.</i>	<i>1</i>		<i>29.87</i>	<i>78</i>	<i>81</i>	<i>79</i>		"	<i>Clear</i>	<i>0</i>	"	
3					<i>1</i>		<i>29.86</i>	<i>78</i>	<i>81</i>	<i>79</i>		"	"	<i>0</i>	"	
4				<i>"</i>	<i>1</i>		<i>29.86</i>	<i>78</i>	<i>81</i>	<i>79</i>		"	"	<i>0</i>	"	
5				<i>"</i>	<i>1</i>		<i>29.86</i>	<i>78</i>	<i>81</i>	<i>79</i>		"	<i>Clear</i>	<i>6</i>	"	
6				<i>S. E.</i>	<i>1</i>		<i>29.87</i>	<i>79</i>	<i>81</i>	<i>79</i>		"	"	<i>4</i>	"	
7				<i>"</i>	<i>1</i>		<i>29.90</i>	<i>79</i>	<i>81</i>	<i>80</i>		"	"	<i>3</i>	"	
8				<i>Calms</i>	<i>0</i>		<i>29.89</i>	<i>79</i>	<i>81</i>	<i>80</i>		"	"	<i>3</i>	"	
9				<i>H.</i>	<i>1</i>		<i>29.90</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>5</i>	"	
10				<i>"</i>	<i>1</i>		<i>29.91</i>	<i>80</i>	<i>82</i>	<i>81</i>		"	"	<i>7</i>	"	
11				<i>"</i>	<i>1</i>		<i>29.92</i>	<i>80</i>	<i>82</i>	<i>81</i>		"	"	<i>8</i>	"	
Noon.				<i>"</i>	<i>1</i>		<i>29.92</i>	<i>80</i>	<i>82</i>	<i>81</i>		"	"	<i>9</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

Tons 250 lbs.

Coal remaining on hand at Noon

24 " 81 "

P. M.																
1			<i>W.</i>	<i>1</i>	<i>29.90</i>	<i>81</i>	<i>83</i>	<i>81</i>		<i>bc</i>	<i>Clear</i>	<i>9</i>	<i>bc</i>			
2			<i>"</i>	<i>1</i>	<i>29.86</i>	<i>82</i>	<i>84</i>	<i>81</i>		"	"	<i>9</i>	"			
3			<i>"</i>	<i>2</i>	<i>29.82</i>	<i>82</i>	<i>84</i>	<i>80</i>		"	"	<i>7</i>	"			
4			<i>"</i>	<i>2</i>	<i>29.78</i>	<i>82</i>	<i>84</i>	<i>80</i>		"	"	<i>7</i>	"			
5			<i>"</i>	<i>3</i>	<i>29.79</i>	<i>81</i>	<i>84</i>	<i>80</i>		"	"	<i>7</i>	"			
6			<i>"</i>	<i>3</i>	<i>29.80</i>	<i>81</i>	<i>83</i>	<i>79</i>		"	"	<i>7</i>	"			
7			<i>"</i>	<i>3</i>	<i>29.81</i>	<i>80</i>	<i>82</i>	<i>79</i>		"	"	<i>7</i>	"			
8			<i>"</i>	<i>3</i>	<i>29.82</i>	<i>80</i>	<i>81</i>	<i>79</i>		"	"	<i>8</i>	"			
9			<i>S. W.</i>	<i>2</i>	<i>29.83</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>8</i>	"			
10			<i>"</i>	<i>1</i>	<i>29.84</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>9</i>	"			
11			<i>"</i>	<i>1</i>	<i>29.86</i>	<i>80</i>	<i>81</i>	<i>79</i>		"	"	<i>8</i>	"			
Mid.			<i>"</i>	<i>1</i>	<i>29.87</i>	<i>80</i>	<i>80</i>	<i>79</i>		"	"	<i>8</i>	"			

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commodore Winfield Scott Phelps  
Friday December 14<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear first part, overcast latter part of watch - Cool - Pleasant - Light land breeze - At 12-45 Storm set.

(Signed) Charles B. T. Moore

Ensign.

From 4 to 8 A.M. Cloudy - Pleasant - Light - variable air and calm. Engaged in coaling ship - Received on board, for use, 180 lbs. fresh beef -

(Signed) W. H. Allen

Mid.

From 8 to Noon, Clear and warm. Light air from N.E. A coal lighter came along side at 11.

(Signed) Clinton K. Curtis

Lieut.

From Noon to 4 P.M. Clear - Warm. Light N.E. air. Barometer falling - Received on board in Equipment Dept, 100 lbs of coal.

(Signed) Samuel C. Leach

Ensign.

From 4 to 8 P.M. Clear - Warm. Moderate N.E. breeze. Clear, sun, clouds. Engaged in coaling ship - Received in Pay Dept, 500 lbs of one bag of sugar.

(Signed) Charles B. T. Moore

Ensign.

From 8 to Midnight. Clear and pleasant. Light air from S.E. and N.E. Bright moonlight.

(Signed) Clinton K. Curtis

Lieut.

Examined and found to be correct.

(Signed) Asa Walker

Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Essex* <sup>1st</sup> Rate, 6 Guns,  
*St Paul du Canada*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.			TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air &c.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																	
1				PP W	1		29.87	80	80	78			bc	Gleam	8		
2				"	1		29.87	80	80	78			"	"			
3				"	1		29.87	80	80	78			"	"			
4				"	1		29.87	78	80	78			"	"			
5				Calms	0		29.89	78	80	79			"	Gleam			
6				"	0		29.92	79	80	79			"	"			
7				" E	0		29.94	79	81	79			"	"			
8				" E	1		29.95	80	81	80			"	"			
9				A. E.	1		29.93	80	82	80			"	Gleam			
10				Gale	0		29.90	81	83	81			"	"			
11				H. H. W	1		29.89	82	83	81			"	"			
Noon.				"	1		29.88	82	84	82			"	"			

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

23 " 2071 "

P. M.																		
1				W	1		29.86	82	84	82				bc	Gleam	8		
2				"	1		29.85	82	84	82				"	"	8		
3				"	2		29.82	80	83	81				"	"	8		
4				"	2		29.79	81	82	80				"	"	8		
5				"	2		29.81	80	82	80				"	"	8		
6				"	1		29.81	80	82	80				"	"	8		
7				P. W	2		29.83	81	82	80				"	"	8		
8				H. P. W	2		29.83	81	82	80				"	"	8		
9				"	2		29.85	81	81	79				"	"	7		
10				"	2		29.87	81	81	79				"	"	6		
11				"	1		29.87	81	81	79				"	"	6		
Mid.				Calms	0		29.86	80	81	79				"	"	8		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Kellogg  
Saturday December 15<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear and pleasant. Light air from S<sup>W</sup> and W<sup>W</sup>. Flow set at one.

(Signed) Samuel C. Leely  
Ensign.

From 4 to 8 A.M. Partly clear. Warm. Calm. Light S<sup>W</sup> Wind, clouds. Received in Pay Dept. 190 lbs fresh beef and 149 lbs fresh bread.

(Signed) P. Henderson  
Mid. &

From 8 to 12 M. Cloudy. Warm. Light. Variable air and calm. Engaged in coaling ships latter part of watch.

(Signed) Charles F. T. Moore  
Ensign.

From 12 M. to 4 P.M. Clear and pleasant. Light breeze from W<sup>W</sup>. Lieutenant James K. Cogswell was released from arrest by order of Commander. A coal lighter came alongside at 3.45. Engaged in coaling ships latter part of watch.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 P.M. Clear Pleasant. Light breeze from S<sup>W</sup> and W<sup>W</sup>. Engaged in coaling ships.

(Signed) Samuel C. Leely  
Ensign.

From 8 to Midnight. Clear and pleasant. Light breeze from W<sup>W</sup>. and calm. Bright moonlight.

(Signed) James K. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Anna Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Essex* <sup>1st</sup> Rate, 6 Guns,  
*St Paul du Canada*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1				<i>SE</i>	<i>2</i>	<i>29.86</i>	<i>80</i>	<i>80</i>	<i>79</i>		<i>bc</i>	<i>Gu</i>	<i>8</i>	<i>8</i>	
2				"	<i>1</i>	<i>29.85</i>	<i>80</i>	<i>80</i>	<i>78</i>		"	"	<i>8</i>	"	
3				"	<i>1</i>	<i>29.85</i>	<i>80</i>	<i>80</i>	<i>78</i>		"	"	<i>8</i>	"	
4				"	<i>1</i>	<i>29.86</i>	<i>80</i>	<i>80</i>	<i>78</i>		"	"	<i>8</i>	"	
5				"	<i>1</i>	<i>29.87</i>	<i>79</i>	<i>81</i>	<i>78</i>		"	<i>Gu</i>	<i>8</i>	"	
6				<i>Calms</i>	<i>0</i>	<i>29.85</i>	<i>79</i>	<i>82</i>	<i>78</i>		"	"	<i>8</i>	"	
7				"	<i>0</i>	<i>29.89</i>	<i>79</i>	<i>82</i>	<i>78</i>		"	"	<i>8</i>	"	
8				<i>SE</i>	<i>1</i>	<i>29.90</i>	<i>80</i>	<i>82</i>	<i>78</i>		"	"	<i>8</i>	"	
9				<i>N. E.</i>	<i>1</i>	<i>29.89</i>	<i>80</i>	<i>82</i>	<i>79</i>		"	"	<i>5</i>	"	
10				<i>N.</i>	<i>1</i>	<i>29.88</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>6</i>	"	
11				"	<i>1</i>	<i>29.87</i>	<i>81</i>	<i>83</i>	<i>80</i>		"	"	<i>5</i>	"	
Noon.				"	<i>1</i>	<i>29.85</i>	<i>82</i>	<i>83</i>	<i>81</i>		"	"	<i>7</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

23 " 1821 "

P. M.															
1				<i>W</i>	<i>2</i>	<i>29.82</i>	<i>80</i>	<i>83</i>	<i>80</i>		<i>bc</i>	<i>Gu</i>	<i>8</i>	<i>8</i>	
2				"	<i>1</i>	<i>29.80</i>	<i>81</i>	<i>83</i>	<i>80</i>		"	"	<i>8</i>	"	
3				<i>N. W.</i>	<i>3</i>	<i>29.75</i>	<i>81</i>	<i>83</i>	<i>80</i>		"	"	<i>8</i>	"	
4				"	<i>2</i>	<i>29.75</i>	<i>81</i>	<i>83</i>	<i>80</i>		"	"	<i>8</i>	"	
5				<i>W</i>	<i>2</i>	<i>29.77</i>	<i>81</i>	<i>83</i>	<i>80</i>		"	"	<i>8</i>	"	
6				"	<i>2</i>	<i>29.79</i>	<i>81</i>	<i>81</i>	<i>80</i>		"	"	<i>7</i>	"	
7				"	<i>2</i>	<i>29.80</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>5</i>	"	
8				"	<i>2</i>	<i>29.80</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>5</i>	"	
9				<i>N. E.</i>	<i>2</i>	<i>29.81</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>0</i>	"	
10				"	<i>1</i>	<i>29.83</i>	<i>80</i>	<i>82</i>	<i>80</i>		"	"	<i>2</i>	"	
11				<i>P. W.</i>	<i>2</i>	<i>29.82</i>	<i>81</i>	<i>81</i>	<i>80</i>		"	"	<i>2</i>	"	
Mid.				"	<i>2</i>	<i>29.81</i>	<i>80</i>	<i>81</i>	<i>80</i>		"	"	<i>3</i>	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Sunday December 16<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear and pleasant - Light air from  
S<sup>W</sup> and S<sup>E</sup>.  
(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Clear Pleasant - Calm and light variable air - B. c.  
Sun, clouds - Received in Day Dept. 190 lbs - fresh beef -  
(Signed) Samuel Leundy  
Ensign.

From 8 to 12 M. Clear Warm - Light air from N<sup>E</sup>. At 9-50 Boat of  
Officer inspected ship and crew at quarters - Afterwards read paper - By order  
of Commanding Officer, J. H. Kahn (S. L. C.) was pleased from confirmation -  
(Signed) Charles F. T. Moore  
Ensign.

From 12 to 4 P.M. Clear and pleasant - Light breeze from N<sup>E</sup> and N<sup>W</sup>.  
(Signed) James L. Cogswell  
Lieut.

From 4 to 8 P.M. Clear and pleasant - Light W. & breeze - Barometer rising -  
(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight - Cloudy - Pleasant - Light breeze from S<sup>E</sup> and W<sup>E</sup>.  
Observed moonlight -  
(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Eva Halper  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "Essex" Lt Paul de Roanda 1st Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				S.	1		29.81	79	80	79	bc	Clouds	2	S.		
1				"	1		29.81	79	80	79	"	"	1	"		
2				Calms	0		29.81	79	80	79	"	"	5	"		
3				"	0		29.81	79	80	79	"	"	6	"		
4				"	0		29.80	79	81	79	"	"	4	"		
5				"	0		29.80	79	81	79	"	"	2	"		
6				N.E.	1		29.82	79	82	79	"	"	2	"		
7				"	1		29.84	79	82	80	"	"	2	"		
8				Calms	0		29.84	80	83	81	"	Clouds	3	"		
9				"	0		29.83	81	83	82	"	"	2	"		
10				"	0		29.82	82	84	82	"	"	3	"		
11				N.W.	1		29.82	82	84	83	"	"	2	"		
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

13.00 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

23 " 1581 "

P. M.																	
1				West.	1		29.80	82	84	83			bc	Clouds	2	S.	
2				"	1		29.79	82	84	83			"	"	1	"	
3				"	2		29.79	82	84	83			"	"	3	"	
4				"	1		29.75	82	85	83			"	"	2	"	
5				"	1		29.75	81	84	82			"	"	4	"	
6				"	1		29.76	80	83	81			"	"	4	"	
7				"	2		29.76	80	82	80			"	"	5	"	
8				"	1		29.76	80	82	80			"	"	6	"	
9				"	1		29.79	80	82	80			"	"	4	"	
10				"	1		29.82	80	82	80			"	"	5	"	
11				"	1		29.83	80	82	80			"	"	4	"	
Mid.				"	1		29.84	80	82	82			"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winifred Scott Pelley  
Monday December 17<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy and pleasant. Light air from  
S.W. first part, calm latter part of watch. At 1.44 P.M. Corvette "Swallow"  
came in and anchored.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy. Pleasant. Calm and light air from W. &  
and E. - Fair weather p.m. - Engaged in coaling ships.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to 11 A.M. Cloudy. Breeze. Calm. Commander paid an official  
visit to the "Swallow". By order of Commander the following punishments were  
inflicted. - C. Parker (Lieut.) for repeated disobedience of orders and lying, solitary  
confinement on bread and water. - Asa Whittell (Lieut.) disobedience of orders, four hours  
after duty. - F. F. Marion (S. & L. G.) for lying, 24 hours after duty. - C. F. Owen (S. & L. G.)  
for sleeping and insubordination to Petty Officer, 12 hours after duty. - Engaged in coaling  
ships.

(Signed) Samuel C. Reedy  
Ensign.

From 11 A.M. to 4 P.M. Cloudy. Warm. Light air from W. & E. Engaged in  
coaling ships.

(Signed) Charles J. T. Moran  
Ensign.

From 4 to 8 P.M. Cloudy and pleasant. Light air from W. & E. Finished coaling.  
Picked up on board 115 tons of coal.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Clear. Pleasant. Light W. & E. air. Clear, calm, clouds -  
Bright Morning.

(Signed) Samuel C. Reedy  
Ensign.

Examined and found to be correct.

(Signed) Asa Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Excelsior* <sup>1st</sup> Rate, 6 Guns,  
*St Paul de Loanda*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Range of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				West	1		29.83	80	81	79		bc	Cumulus	2	5	
2				Calms	0		29.81	80	81	79		0	"	0	"	
3				W. S. W.	1		29.80	80	81	79		bc	"	2	"	
4				"	1		29.81	80	81	80		"	"	1	"	
5				Calms	0		29.81	80	81	80		0	"	0	"	
6				"	0		29.82	80	81	80		"	"	0	"	
7				"	0		29.83	80	81	80		"	"	0	"	
8				S.	1		29.84	80	81	80		"	"	0	"	
9				W. S. W.	1		29.84	80	82	80		bc	"	2	"	
10				"	1		29.83	81	84	82		"	"	3	"	
11				"	1		29.81	82	85	82		"	"	4	"	
Noon.				"	1		29.81	83	86	83		"	"	4	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons 1810 lbs.

Coal remaining on hand at Noon

140 " 881 "

P. M.																
1				West	2		29.75	83	86	83		bc	Cumulus	3	5	
2				"	3		29.75	83	86	83		"	"	4	"	
3				"	3		29.72	82	85	82		"	"	4	"	
4				"	3		29.70	81	84	81		"	"	3	"	
5				"	3		29.71	81	84	81		"	Cumulus	3	"	
6				"	2		29.72	81	83	81		"	"	2	"	
7				"	2		29.72	81	83	81		"	"	0	"	
8				"	1		29.73	81	83	81		"	"	0	"	
9				"	1		29.77	81	83	81		"	"	0	"	
10				S. W.	1		29.80	81	83	81		"	"	0	"	
11				"	1		29.81	81	83	81		"	"	0	"	
Mid.				Calms	0		29.81	81	83	81		"	"	0	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Schley  
Tuesday December 18<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Pleasant - Light air from W. and calm.

(Signed) Charles B. T. Moore

From 4 to 8 A.M. Overcast - Calm first part, light air from E. S. breeze - last hour of watch - Received in Pay Dept. 190 lbs fresh beef & 149 fresh bread.

(Signed) James K. Cogswell

From 8 to 12 M. Partially cloudy - Pleasant - Light N.W. breeze - At 12, H.B.M. Corvette "Porpoise" left the harbor. Exchanged colors.

(Signed) Clinton K. Curtis

From 12 M. to 4 P.M. Partially Clear - Warm - Moderate N.W. breeze - Clear, Sun, light clouds.

(Signed) Samuel C. Leuty

From 4 to 8 P.M. Cloudy first part. Overcast latter part of watch - Light breeze from W.

(Signed) Charles B. T. Moore

From 8 to Midnight. Overcast & cloudy - Light sprinkling of rain during watch. Observed Moonlight.

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Ada Harper

Navigator.



*Steamer "Esper"*  
*Paul de Louanda*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				Calan	0	29.80	81	83	81		lc	Cumulus	1	9	
1				"	0	29.79	81	82	81		"	"	1	"	
2				"	1	29.77	81	81	81		"	"	1	"	
3				Calan	0	29.75	81	81	80		"	"	1	"	
4				"	0	29.77	81	81	80		0	"	0	"	
5				"	0	29.78	81	81	80		0	"	0	"	
6				"	0	29.79	81	82	81		0	"	0	"	
7				"	0	29.80	80	82	81		0	"	0	"	
8				A. H. W.	1	29.79	80	83	82		OML	"	0	"	
9				"	1	29.75	80	83	82		"	"	0	"	
10				"	1	29.78	81	84	82		"	"	0	"	
11				"	1	29.78	82	84	83		"	"	0	"	
Noon.				"	1	29.78	82	84	83		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

700 "

Coal consumed during the preceding 24 hours

1 tons 1636 lbs.

Coal remaining on hand at Noon

138 " 1457 "

P. M.															
1				West	1	29.75	82	84	82		lc	Cumulus	2	9	
2				"	1	29.74	83	84	82		"	"	3	"	
3				"	1	29.71	83	84	82		"	"	4	"	
4				"	1	29.69	83	83	81		"	"	4	"	
5				"	2	29.70	83	83	81		"	Cumulus	4	"	
6				"	3	29.70	82	82	81		"	"	3	"	
7				"	2	29.71	81	82	81		"	"	3	"	
8				"	1	29.72	80	82	81		"	"	2	"	
9				"	1	29.76	81	82	81		OML	"	0	"	
10				"	1	29.75	82	82	80		"	"	0	"	
11				"	1	29.75	82	82	80		0	"	0	"	
Mid.				"	1	29.79	82	82	80		"	"	0	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

\*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Wednesday December 19<sup>th</sup>

, U. S. Navy,

1877.

Stores received in Paymaster Department -

5678 lbs Mash.	600 lbs Pickle -
7 1/2 Bbls Beef -	3798 lbs Sugar
6 1/2 Bbls Pork -	1 Chest Tea -
275 lbs Ground Meat -	500 lbs Coffee -
8 Bbls Flour -	398 lbs Fat -
800 lbs Rice -	100 Gall, Vinegar -

Stores received in Surgeon Department -

100 lbs Pure Lead -	3 Bbls Blackish Lime -
100 lbs White Lead -	12 Water Buckets -
275 lbs Pale Soda -	12 Files -
1 Piece Green Cloth -	

In Equipment Department 1 1/2 Cords Wood -

lamp in two times - Steam pressure 25 lbs. Distilling

from 8 to Midnight. Overcast. Pleasant. Light air from W. - Time  
lamp in two times - Steam pressure 25 lbs. Distilling -

Observed moonlight.

C. Lundy  
Ensign.  
first fire in two  
to a hurricane -  
at -

F. T. Moore  
Ensign.  
from N. N. W. -  
at, at great guns,

C. G. G. G.  
Lieut.  
of air - Barometer  
Steam pressure

K. G. G. G.  
Lieut.  
of huge - Gun, Gun,  
at about in Pay -  
list - Time

(Signed) Samuel C. Lundy  
Ensign.  
from 8 to Midnight. Overcast. Pleasant. Light air from W. - Time  
lamp in two times - Steam pressure 25 lbs. Distilling -  
(Signed) James K. G. G. G.  
Lieut.

Examined and found to be correct.

(Signed) Asa Walker  
Lieut.

Navigator.



Commenced and until 4 A.M. Cloudy. Pleasant - Calm. Observed moonlight.

(Signed) Samuel C. Remy

From 4 to 8 A.M. Overcast - Pleasant - Calm. At 6, started fire in two boilers. At 8 crossed foregallant yards and hoisted sail for a huntline - Received in Pay Dept. 190 lb fuel oil & 149 lb fuel bread.

(Signed) Charles B. T. Moore

From 8 to Midnight, Overcast - Pleasant - Hazy. Light air from N. N. W. At 9.15 inspected at quarter. Specimens 1st and 2nd Dibs, at great guns, Machine Gun at small arms.

(Signed) James K. Cogswell

From Midnight to 4 P.M. Partially cloudy - Pleasant - Light W. by air. Barometer falling. At 1, furled sail. At 2.25 started distilling. Steam pressure 25 lb.

(Signed) Clinton K. Curtis

From 4 to 8 P.M. Partially clear - Pleasant - Moderate W. by breeze. Clear, sun, clouds. At sunset put down foregallant yards. Received stores in Pay - Vessel, Engines & Equipment Dept. at 7 pm, appended list. Three tanks in two boilers. Steam pressure 25 lb. Distilling.

(Signed) Samuel C. Remy

From 8 to Midnight. Overcast - Pleasant - Light air from N. N. W. Five tanks in two boilers. Steam pressure 25 lb. Distilling.

(Signed) James K. Cogswell

Examined and found to be correct.

(Signed) Ada Walker

Navigator.



Steamer

Essex

Rate, 6

Guns,

St. Paul de Landa

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1				W	1		29.78	81	82	80		0	Light	0	0	
2				"	1		29.77	81	82	80		"	"	0	"	
3				"	1		29.75	81	82	80		"	"	0	"	
4				"	1		29.75	81	82	80		"	"	0	"	
5				Calms	0		29.76	81	83	81		lc	Light	1	"	
6				"	0		29.78	81	83	82		"	"	2	"	
7				"	0		29.79	81	83	82		"	"	2	"	
8				"	0		29.81	81	83	82		"	"	3	"	
9				"	0		29.81	81	83	82		"	Light	5	"	
10				"	0		29.80	82	84	82		"	"	6	"	
11				W	1		29.79	82	85	83		"	"	4	"	
Noon.				"	1		29.78	83	86	83		"	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M. on Landa Island 19. 25. 00 W.

Water expended during the preceding 24 hours 250 gallons.

Water consumed during the preceding 24 hours 600 "

Water remaining on hand fit for use at Noon 1000 "

Coal consumed during the preceding 24 hours 1 tons 1150 lbs.

Coal remaining on hand at Noon 137 307 "

P. M.																
1				W	3		29.76	83	86	85		lc	Light	3	0	
2				"	3		29.75	83	85	82		0	"	0	"	
3				"	2		29.73	83	85	82		"	"	0	"	
4				"	2		29.71	82	84	82		or	"	0	"	
5				"	2		29.73	82	84	82		lc	"	1	"	
6				"	2		29.73	82	84	82		"	"	1	"	
7				"	2		29.75	82	83	82		"	"	1	"	
8				"	1		29.75	82	83	81		"	"	1	"	
9				"	1		29.76	82	83	81		"	"	1	"	
10				"	1		29.78	81	83	81		0	Light	0	"	
11				W	1		29.80	81	83	81		lc	"	1	"	
Mid.				"	1		29.82	81	82	81		"	"	2	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commodore Winfield Scott Schley  
Thursday December 20<sup>th</sup>

, U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commence and until 4 A.M. Pleasant - Light air from W. -  
Fire tanked in two trials. Steam pressure 25 lb. Distilling -  
(Signed) Clinton K. Smith  
Lieut.
- From 4 to 8 A.M. Partly clear - Warm - Calm. Received in Pay Dept.  
190 lb fresh beef and 149 lb fresh bread. At noon to gallant -  
Fire tanked in two trials. Steam pressure 25 lb. Distilling -  
(Signed) Samuel C. Lewis  
Ensign.
- From 8 to Midnight, Cloudy - Warm - Calm first part, light breeze from  
W. - latter part of watch - At 9-15, inspected at quarters. Espoused Marine  
Guard - Fire tanked in two trials. Steam pressure 25 lb. Distilling -  
(Signed) Charles F. T. Moore  
Ensign.
- From Midnight to 4 P.M. Pleasant - Light breeze from W. -  
Fire tanked in two trials. Steam pressure 25 lb. Distilling -  
(Signed) James K. Cogswell  
Lieut.
- From 4 to 8 P.M. Cloudy - Pleasant - Light W. breeze - Fire tanked  
in two trials. Steam pressure 25 lb. Distilling -  
(Signed) Clinton K. Smith  
Lieut.
- From 8 to Midnight - Cloudy - Pleasant - Light air from W. -  
Fire tanked in two trials. Steam pressure 25 lb. Distilling -  
(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Ada Walker  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				West	1		29.80	80	81	80	0	Clear	0	4	
2				"	1		29.78	80	81	80	"	"	0	"	
3				"	1		29.76	79	81	80	"	"	0	"	
4				"	1		29.76	80	81	80	"	"	0	"	
5				Calms	0		29.77	80	81	80	0/2	"	0	"	
6				"	0		29.79	80	81	80	0/2	"	0	"	
7				"	0		29.80	81	82	81	1/2	"	2	"	
8				"	0		29.80	81	83	81	"	"	3	"	
9				S. by E.	1		29.79	81	84	81	"	1/2	5	"	
10				Calms	0		29.79	81	84	82	"	"	6	"	
11				W.	1		29.79	82	84	83	"	"	7	"	
Noon.				"	1		29.79	82	85	83	"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

1800 "

Coal consumed during the preceding 24 hours

1 tons 1970 lbs.

Coal remaining on hand at Noon

155 " 1477 "

P. M.															
1				West	1		29.77	83	86	83	1/2	Clear	4	4	
2				"	2		29.74	83	86	83	"	"	6	"	
3				"	2		29.71	83	86	83	"	"	7	"	
4				"	2		29.69	83	85	83	"	"	8	"	
5				"	2		29.78	82	84	81	"	"	6	"	
6				"	1		29.78	82	83	80	"	"	2	"	
7				"	1		29.75	82	81	79	"	"	2	"	
8				"	1		29.77	80	80	78	"	"	4	"	
9				"	1		29.79	80	82	80	"	"	5	"	
10				"	1		29.80	80	82	80	"	"	5	"	
11				"	1		29.79	80	82	80	"	"	5	"	
Mid.				"	1		29.79	80	82	80	"	"	5	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of *Commander Winfield Scott Pelley*  
*Friday, December 21<sup>st</sup>*

, U. S. Navy,  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commence and until 4 A.M. Breeze - Pleasant - Light air from W. -  
Fire tanked in two trials. Steam pressure 25 lbs. Distilling -*

*(Signed) James K. Cogswell*  
*Lieut.*

*From 4 to 8 A.M. Cloudy. Passing showers but part warm and pleasant -  
later part of watch. Calm and light air from S. and E. Made preparations  
for coaling ship. Three coal lighters came alongside. Fire tanked in two trials -  
Steam pressure 25. Distilling -*

*(Signed) Clinton K. Smith*  
*Lieut.*

*From 8 to Merid. Clear. Warm. Calm and light W. by air towards end  
of watch. Cir. Cum. Mist, clouds. Fire tanked in two trials. Steam pressure  
25 lbs. Distilling -*

*(Signed) Samuel C. Leely*  
*Ensign.*

*From Merid. to 4 P.M. Clear. Warm. Light breeze from W. - Engaged  
in coaling ship. Fire tanked in two trials. Steam pressure 25 lbs.  
Distilling. Received on board, in all, 158 tons of coal.*

*(Signed) Charles F. T. Moore*  
*Ensign.*

*From 4 to 8 P.M. Cloudy. Pleasant. Light air from W. - At sunset  
put down hofagallant yards. Put light sails. Discharged all Kroomen.  
Received on board for transportation to St. Helena, James Langitar, one  
of Stanley's exploring expedition. Fire tanked in two trials. Steam  
pressure 25 lbs. Distilling -*

*(Signed) James K. Cogswell*  
*Lieut.*

*From 8 to Midnight. Clear. Pleasant. Light W. by air. Cir. Cum. clouds.  
At 10.45 a small side-wheel steamer came in and anchored. Fire  
tanked in two trials. Steam pressure 25 lbs. Distilling. Received in  
Pay Dept, 4 boxes, 42 bags of bread and two 1/2 lbs of Beef -*

*(Signed) Samuel C. Leely*  
*Ensign.*

Examined and found to be correct.

*(Signed) Asa Halper*  
*Lieut.*

Navigator.



Hour.	Knots.	Fathoms.	Current observed.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				W.	1	29.81	79	81	80		0	Cum. 1/2	0	0	0
2				Calin	0	29.82	79	81	80		"	"	0	"	"
3				S.W.	1	29.80	79	81	80		"	"	0	"	"
4				"	1	29.79	79	81	80		"	"	0	"	"
5				S.W.	1	29.79	79	81	80		"	"	0	"	"
6				W.	1	29.79	78	80	79		"	"	0	"	"
7				"	1	29.80	78	80	79		"	"	0	"	"
8			Standing out of the 3rd d. L.	"	1	29.81	78	81	79	75	"	"	0	"	"
9	6 0		S.W.	"	1	29.82	79	82	80	77	1/2	"	1	"	"
10	4 0		W.	"	1	29.82	80	82	80	78	"	"	1	"	"
11	7 0		"	"	1	29.82	81	83	81	79	"	"	1	"	"
Noon.	7 0		"	S.W.	1	29.80	81	83	81	80	"	"	1	"	"

Distance run by Log since preceding Noon

24 knots 0 fathoms.

Latitude by D. R. at Noon

8. 49. 48. S.

Longitude by D. R. at Noon

12. 52. 30. W.

Latitude by Observations at Noon

8. 48. 16. S.

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water consumed during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

7 tons 1705 lbs.

Coal remaining on hand at Noon

147 " 2612 "

P. M.															
1	4	2	Hut	D.W. 48	2	29.78	81	83	81	80	1/2	Cum. 1/2	2	L	All fore and aft sail.
2	6	6	"	"	2	29.75	81	83	80	81	"	"	2	"	"
3	6	6	"	"	2	29.71	81	83	80	81	"	"	6	"	"
4	7	0	"	"	2	29.70	81	84	82	82	"	"	6	"	"
5	7	4	"	P.W. 1/2	2	29.71	82	84	80	84	"	"	5	"	Main top sail,
6	5	0	"	S.W.	2	29.72	82	84	81	84	"	Cum. 1/2	4	"	Spanker and
7	5	2	"	"	2	29.76	82	84	80	84	"	"	7	"	gaff top sail.
8	7	4	"	"	2	29.78	82	84	80	84	"	"	7	"	"
9	7	0	"	"	2	29.82	82	84	80	84	"	"	7	"	"
10	7	0	"	"	2	29.83	82	84	80	84	"	Cum. 1/2	0	"	"
11	7	0	"	"	2	29.82	82	84	82	84	"	"	1	"	"
Mid.	7	0	"	"	2	29.80	82	84	82	84	"	"	1	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winfield Scott Selley  
Saturday December 22<sup>nd</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Breeze - Pleasant. Almost moonlight -  
Light variable air and calm. At 2.50 started fire in two boilers. Steam  
pressure 28 lb. - Distilling.

(Signed) Charles B. T. Moore Ensign.

From 4 to 8 A.M. Breeze - Pleasant. Light air from W. By order of  
Commander, Ellison Parker (Ld) was released from confinement. At 7, got  
underway, with four boilers, and stood out from St. Paul de Loanda. The  
British & American Consuls paid a parting visit to the ship. At 7.45  
stopped and got soundings in 2 fathoms of water. At 8, started ahead -  
draught forward 14 ft 6 in. Amidships 15 ft. Aft 15 ft 10 in. Steam  
pressure 60 lb. - Steaming with four boilers.

(Signed) James K. Cogswell

From 8 to Noon, Cloudy. Breeze - Pleasant. Light breeze from S. and W. At 9,  
changed course to West. Steaming with four boilers. Steam pressure 60 lb.  
Revolutions 40. At 11.45 set W. by sail.

(Signed) Clinton K. Curtis

From Noon to 4 P.M. Partly clear. Warm Light S.W. air. In, Sun, Wind,  
clouds. At 12-10 stopped and got soundings in 235 fathoms of water,  
bottom gray mud. At 12-30 started ahead. At 12-35 set all four and aft  
sail. Steaming with four boilers. Steam pressure 60 lb. - Revolutions 42.

(Signed) Samuel B. Lundy

From 4 to 6 P.M. Cloudy. Breeze - Pleasant. Light breeze from S. and W. Steaming  
with four boilers. At 5.42 stopped to get soundings. Hauled down head  
sail. Steam pressure 60 lb. - Revolutions 42.

(Signed) Charles B. T. Moore

From 6 to 8 P.M. Clear. Breeze - Pleasant. Light breeze from S.W. Steaming with four  
boilers. At 6, got soundings in 901 fathoms of water, bottom green mud. Steam  
pressure 65 lb. - Revolutions 42. Long hull from W.

(Signed) James K. Cogswell

From 8 to Midnight. Cloudy. Breeze - Pleasant. Light S.W. breeze. Steaming with four  
boilers. Steam pressure 60 lb. - Revolutions 42.

(Signed) Clinton K. Curtis

(Signed) Ann Walpole

Limit,



Steamer "Essex"

At Sea 3<sup>rd</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Winds, by symbols.	Direction of the Wind.	Board of the ship (the vessel) is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1	6	6	West	S.W.	3	29.80	81	82	78	84	tc	Calcut	3	L
2	6	6	"	"	3	29.78	81	82	78	84	"	"	3	"
3	6	4	"	"	3	29.78	81	82	78	84	"	"	1	"
4	7	0	"	"	3	29.78	81	82	78	84	"	"	0	"
5	6	6	"	"	3	29.78	80	81	79	84	0	Calcut	0	"
6	6	4	"	"	3	29.81	80	82	79	83	tc	"	1	"
7	6	2	"	"	3	29.82	80	82	79	83	"	"	3	"
8	6	4	"	"	3	29.83	80	82	79	83	"	Calcut	4	"
9	7	2	"	"	3	29.84	80	82	80	84	"	"	3	"
10			"	"	2	29.86	81	83	80	84	"	"	2	"
11			Pounding	"	2	29.85	81	84	80	84	"	"	1	"
Noon.	7	6	West	"	2	29.83	81	84	80	84	"	"	1	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots miles per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

146 knots 0 fathoms.

9. 39.00. S.

10. 33.30. E.

9. 41.20. S.

10. 29.00. E.

20. 40.00. W.

400 gallons.

"

1800 "

9 tons 790 lbs.

198 " 1222 "

P. M.														
1	7	4	West	S. W.	2	29.83	81	84	80	84	tc	Calcut	2	L
2	7	4	"	"	2	29.81	82	83	80	84	"	"	2	"
3	7	0	"	"	2	29.77	80	83	81	83	"	"	3	"
4	7	0	"	"	2	29.77	80	82	79	83	"	"	4	"
5	6	6	"	"	3	29.76	79	81	77	83	"	"	7	"
6	7	0	"	"	3	29.77	78	80	76	83	"	"	4	"
7	7	0	"	"	3	29.79	78	80	76	83	"	"	4	"
8	7	4	"	"	3	29.80	79	80	76	83	"	"	7	"
9	8	2	"	S. W. by S.	3	29.82	78	79	76	83	"	Calcut	2	"
10	8	0	"	"	3	29.83	77	79	76	83	"	"	6	"
11	8	2	"	"	4	29.84	77	79	76	83	"	"	0	"
Mid.	8	0	"	"	3	29.85	77	79	76	83	"	"	0	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

All four aft sails

10 "

PM 1234

PM 1266



under the command of

Commander Winfield Scott Schley  
Purveyor December 23<sup>rd</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Pleasant - Moderate S.W. breeze - Sea, Bury, Clouds. Observed Moonlight. At 12.15, took in all fore and aft sail, except main top sail. Steaming with four boilers. Steam pressure 60 lbs. - Revolutions 43. (Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Cloudy - Pleasant - Moderate breeze from S.W. Steaming with four boilers. At 7.30 set head sail, sprang & gaff top sail. Steam pressure 60 lbs. - Revolutions 42. (Signed) Charles F. T. Moore Ensign.

From 8 to Midnight, Cloudy - Warm - Light breeze from S.W. Steaming with four boilers. At 9, stopped and got soundings in 2200 fathoms of water, bottom soft blue mud. Owing to the extreme softness of the bottom, the shot was not detached and was hauled up. At 9.30 inspected at quarter. Steam pressure 60 lbs. - Revolutions 42. At 11, started ahead - Long swell from S.W. - Polling moderately. (Signed) James K. Cogswell Lieut.

From Midnight to 4 P.M. Partially cloudy - Pleasant - Light S.W. breeze. Steaming with four boilers. Steam pressure 65 lbs. - Revolutions 41. (Signed) Clinton K. Carter Lieut.

From 4 to 6 P.M. Clear - Pleasant - Moderate S.W. breeze - Sea, Bury, Clouds. At 5.45 crossed Potugallant Yards. Steaming with four boilers. Steam pressure 60 lbs. - Revolutions 41. (Signed) Samuel C. Lundy Ensign.

From 6 to 8 P.M. Clear - Pleasant - Moderate breeze from S.W. Steaming with four boilers. At sunset hauled out at quarter. Steam pressure 60 lbs. - Rev. 42. (Signed) Charles F. T. Moore Ensign.

From 8 to Midnight. Overcast - Pleasant - Moderate breeze from S.W. Long swell from S.W. Steaming with four boilers. Steam pressure 60 lbs. - Revolutions 44. (Signed) James K. Cogswell Lieut.

Examined and found to be correct.

(Signed) Asa Halper Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	1	4	West	S.W. 1/4 S.	2	29.83	79	80	76	80	0	Clear	0	2	Iron & aft sail.
2	0	6	"	"	2	29.83	79	80	76	80	"	"	"	"	"
3	7	4	"	"	2	29.80	78	79	76	80	"	"	"	"	"
4	7	2	"	"	2	29.80	78	79	76	80	"	"	"	"	"
5	7	0	"	"	3	29.82	77	79	76	80	"	"	"	"	Same, with forecast.
6	7	2	"	"	3	29.84	77	78	76	80	"	"	"	"	"
7	7	2	"	"	3	29.86	77	78	75	80	"	"	"	"	"
8	7	4	"	"	3	29.88	76	78	75	80	"	"	"	"	"
9	8	0	"	"	3	29.88	79	78	75	80	"	"	"	"	Same, except flying jib.
10	8	0	"	"	3	29.88	78	78	75	80	"	"	"	"	"
11	8	0	"	"	3	29.89	78	78	75	80	"	"	"	"	"
Noon.	8	4	"	"	2	29.87	78	78	75	80	"	"	"	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

168 knots 2 fathoms.

10.38.00" S.

7.48" E.

10.38.27" S.

7.38.30" E.

300 gallons.

1500 "

7 tons 630 lbs.

131 " 592 "

P. M.																
1	7	2	West	S. W. 1/4 S.	3	29.86	76	76	75	81	0	Clear	0	2	Iron & aft sail & flying jib & forecast.	
2	8	2	"	"	3	29.83	76	78	74	81	"	"	"	"	"	
3	8	2	"	"	2	29.82	77	79	75	81	"	"	"	"	"	
4	Downsailing			"	2	29.82	77	79	76	81	"	"	"	"	"	
5	3	4	W.	"	2	29.81	76	79	75	81	"	"	"	"	"	
6	5	4	W. 1/2 N.	"	3	29.81	75	79	74	84	"	"	"	"	All plain sail	
7	4	6	W. 1/2 N.	S. S. W.	3	29.85	75	78	73	84	4	"	5	"	No S. G. sails -	
8	5	0	W. 1/4 N.	"	3	29.86	75	77	72	84	"	"	6	"	"	
9	6	0	W.	"	4	29.88	75	76	72	84	"	"	6	"	"	
10	6	0	W. 1/4 N.	"	4	29.89	75	75	72	84	"	"	5	"	"	
11	6	0	W.	"	4	29.89	75	75	72	84	"	"	2	"	"	
Mid.	6	4	W. 1/4 N.	"	4	29.89	75	75	72	84	"	"	1	"	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Pellis  
Monday December 24<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Cool. Light breeze from S.E. and W. At 12-15 stopped and got soundings in 2581 fathoms of water, bottom mud. At 1.50 started ahead. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 45. (Signed) Clinton K. Curtis

From 4 to 8 A.M. Overcast. Cool. Pleasant. Moderate breeze from S.W. by S. Sun, faint, cloudy. At 4-10 set foreail. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 48. (Signed) Samuel C. Rensley

From 8 to 11 A.M. Overcast. Pleasant. Moderate breeze from S.W. by S. At 8, hauled down flying jib. At 9-15 inspection at quarter. At 11-10, hauled down jib. At 11-25 set jib. By order of Commander, confined John L. King (B.M.), without issue, to await action of Commander, for intemperance while on duty. The following punishments were ordered by Commander. W. F. Lindon (S.L.C.) 12 hours extra duty. E. W. Gunn (S.L.C.) 6 hours extra duty. W. H. Danforth (S.L.C.) 6 hours extra duty. and Herman Myer (S.L.C.) 12 hours extra duty. Steaming with four boilers. Steam pressure 60 lbs. Revolutions 40. (Signed) Charles F. T. Moore

From 11 A.M. to 4 P.M. Overcast. Pleasant. Moderate breeze from S.E. and W. Steaming with four boilers. At 3, took in head sails and foreail. Stopped and got soundings in 2765 fathoms of water, bottom brown and white mud. Log well from S.W. Hauled royal yard. Steam pressure 60 lbs. Revolutions 46. (Signed) James K. Cogswell

From 4 to 6 P.M. Cloudy. Cool. Light breeze from S.E. and W. At 4-36 started ahead. At 5, made all plain sail. Stopped engine at 5-15 and tanked fire in four boilers. Distilling. (Signed) Clinton K. Curtis

From 6 to 8 P.M. Partially clear. Cool. Pleasant. Moderate S.W. breeze. At 6-10 took in royal and flying jib. Hauled down main topgallant sail and set up tack stage. At 6-15 under way at quarter. Fire tanked in four boilers. Steam pressure 50 lbs. Distilling. By order of Commander, John L. King (B.M.) was released from confinement and returned to duty. (Signed) Samuel C. Rensley

From 8 to Midnight. Cloudy. Cool. Pleasant. Moderate breeze from S.W. More rain at 10-15. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling. (Signed) Charles F. T. Moore

Examined and found to be correct.

(Signed) Ada Walker

Navigator.



Steamer *Essex*

At Sea

3<sup>rd</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Baromet.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Breadth of the sail (the vessel is under) at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	7 0		W. 1/2 S.	S. S. W.	4	29.85	74	75	73	77	bc	Cum. 1			All plain sail,
2	6 4			"	3	29.85	74	75	72	77	"	"	2		except royale m.
3	5 6		W. 1/2 S.	"	3	29.84	74	75	72	77	"	"	2		sail & flying jib.
4	5 0		"	S. by W.	2	29.84	74	75	72	77	"	"	0		"
5	6 0		"	"	2	29.85	74	75	72	77	"	"	0		"
6	5 4		"	"	2	29.87	74	74	71	77	"	"	1		"
7	4 4		"	"	2	29.90	74	74	71	77	"	"	1		"
8	4 6		"	"	2	29.90	74	74	71	77	"	"	1		"
9	4 2		"	"	3.4	29.94	74	74	71	77	"	"	1		"
10	4 2		W. 1/4 S.	"	3	29.95	74	74	71	77	"	"	4		"
11	4 2		"	"	3	29.95	74	75	72	77	"	"	4		"
Noon.			Downsailing	"	3	29.95	74	77	74	77	"	"	4		Steamer -

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water *Consumed* during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

124 knots 4 fathoms.

11 - 22.00" S.

5 - 40.30" E.

11 - 19.30" S.

5 - 34.15" E.

20 - 50.00" W.

300 gallons.

300 "

1500 "

2 tons 880 lbs.

128 - 2002 "

P. M.															
1	Downsailing		S. S. W.	3	29.92	75	75	73	77	bc	Cum. 3				All plain sail,
2	4 4	W. 1/4 S.	"	3	29.89	75	75	72	77	"	"	3			except W. sail &
3	5 2	W. 3/4 S.	"	3	29.88	75	75	72	77	"	"	4			royale.
4	5 0	W. 1/2 S.	"	3	29.86	75	75	72	77	"	"	3			"
5	4 6	W.	"	3 1/2	29.85	75	74	72	77	"	"	1			Same, except F. jib.
6	5 0	W. 1/4 S.	S. by W.	3 1/4	29.85	74	74	71	77	0	"	0			"
7	5 4	W.	S. S. W.	3	29.88	74	74	71	77	bc	"	2			"
8	5 0	W. 1/4 S.	"	3	29.90	74	74	71	77	"	"	2			"
9	5 0	W. 1/2 S.	S. by W.	3	29.92	73	74	71	77	"	"	5			"
10	5 6	"	"	3	29.91	73	74	71	77	"	Cum. 5				"
11	5 6	"	"	3	29.90	73	74	71	77	"	"	5			Same, except W. jib.
Md.	6 0	"	"	3.4	29.90	73	74	71	77	"	"	2			"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winifred Pitt Pelley  
Tuesday December 25<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Moderate breeze from S.W. and W. Long swell from S.W. Bright moonlight. Fine tanked in four boilers. Distilling.

(Signed) James K. Cogswell

From 4 to 8 A.M. Cloudy. Cool. Light breeze from S.W. and W. Ship under all plain sail to royal, except mainmast. Fine tanked in four boilers. Distilling.

(Signed) Clinton K. Curtis

From 8 to Noon. Partially clear. Cool. Pleasant. Moderate S.W. breeze. Sea, smooth, clouds. At 8-10 set royal. At 10, spread five. At 11, shortened and furled sail & commenced reefing engine for commencing. At 12, got bottom at 3045 fathoms, bottom soft mud. Steam in four boilers. Steam pressure 55 lb.

(Signed) Samuel C. Lundy

From Noon to 4 P.M. Cloudy. Pleasant. Moderate breeze from S.W. Shot first shot for commencing. At 1.02 started ahead. At 1.05 called all hands and made all plain sail. At 1.20 tanked five & uncoupled pump. At 3.30 stop in main royal. At 3.40 stop in M. T. J. sail and put down yard. Fine tanked in four boilers. Steam pressure 25 lb. Distilling.

(Signed) Charles F. T. Moore

From 4 to 6 P.M. Cloudy and pleasant. Moderate breeze from S.W. and W. Long swell from S.W. At 4.30 closed M. T. J. yard and set the sail, at main royal. Fine tanked in four boilers. Steam pressure 25 lb. Distilling.

(Signed) James K. Cogswell

From 6 to 8 P.M. Cloudy. Pleasant. Moderate breeze from S.W. and W. Barometer rising. At 7, hauled down flying jib. Fine tanked in four boilers. Steam pressure 25 lb. Distilling.

(Signed) Clinton K. Curtis

From 8 to Midnight. Partially clear. Cool. Moderate S.W. breeze. Sea, smooth, clouds. Moon rose at 10.50. Fine tanked in four boilers. Steam pressure 25 lb. Distilling.

(Signed) Samuel C. Lundy

Surge.

Examined and found to be correct.

(Signed) Osa Walker

Lieut.

Navigator.



Steamer *Essex*

At Sea

Rate, 5<sup>00</sup>

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Revol of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	6	4	N. 1/2 S.	S. by W.	4	29.90	73	74	71	77	0	Cum. thin	0	L	All plain sail except flying jib.
2	6	0	"	"	3	29.89	73	74	71	77	1/2	"	1	"	"
3	4	6	"	"	2	29.88	73	74	71	77	0	"	0	"	"
4	5	2	"	"	3	29.87	73	74	71	77	1/2	"	1	"	"
5	5	0	"	"	2	29.87	73	73	71	77	0	"	0	"	"
6	4	0	W.	"	2 1/2	29.91	72	73	70	77	"	"	0	"	"
7	3	0	N. 1/2 S.	"	2 1/2	29.91	72	73	71	77	"	"	0	"	"
8	3	2	"	S.	2 1/2	29.93	72	74	71	76	"	"	0	"	"
9	2	0	"	"	1 1/2	29.93	72	74	71	76	"	"	0	"	"
10	Sounding			"	1	29.93	73	74	71	76	"	"	0	"	"
11	1	4	N. 1/2 S.	"	1	29.93	74	75	71	76	"	"	0	"	"
Noon.	2	0	"	"	1	29.91	74	76	72	75	"	"	0	"	Same, with flying jib.

Distance run by Log since preceding Noon

101 knots 2 fathoms.

Latitude by D. R. at Noon

11° 58' 16" S.

Longitude by D. R. at Noon

8° 59' 15" E.

Latitude by Observations at Noon

11° 49' 50" S.

Longitude by Chronometer from Forenoon Observations

8° 53' 30" E.

Current during the time knots 3 fms. per hour, setting to the

N. W. 3/4 W.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 AM.

22° 40' 00" W.

Water expended during the preceding 24 hours

800 gallons.

Water consumed during the preceding 24 hours

1200 "

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

2 tons 1160 lbs.

Coal remaining on hand at Noon

126 " 842 "

P. M.																	
1	2	6	N. 1/2 S.	S. by W.	2	29.90	74	75	72	76	1/2	Cum. thin	2	L	All plain sail		
2	4	2	N. by S.	"	2	29.87	74	75	72	76	"	"	3	"	except W. sail &		
3	3	4	"	"	1 1/2	29.85	74	75	72	76	"	"	2	"	W. by sail.		
4	3	6	"	"	1 1/2	29.85	74	75	72	76	"	"	1	"			
5	4	0	N. 1/2 S.	"	2	29.87	74	74	71	76	0	"	0	"			
6	3	6	N. 3/4 S.	"	2	29.87	74	74	71	76	"	"	0	"			
7	4	0	N. 1/4 S.	"	2 1/4	29.90	73	74	71	75	"	"	0	"			
8	4	4	N. by S.	"	3 1/4	29.90	73	74	71	74	"	"	0	"			
9	3	4	"	"	2	29.94	73	74	71	74	"	"	0	"			
10	3	4	"	"	2	29.96	73	74	71	74	"	"	0	"			
11	3	6	"	"	2	29.94	73	74	71	74	"	"	0	"			
Mid.	4	0	"	"	2	29.92	73	74	71	74	"	"	0	"			

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commodore Winfield Scott Schley  
Wednesday December 26<sup>th</sup>

1877.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commence and until 4 A.M. Overcast. Cool. Moderate breeze from S. & W. Steamers moonlight. Fire tanked in four trials. Distilling - (Piquet) Charles F. T. Moore  
Ensign.
- From 4 to 8 A.M. Overcast. Pleasant. Light breeze from S. & W. - Long swell from S. by W. Fire tanked in four trials. Steam pressure 25 lb. (Piquet) James K. Cogswell  
Lieut.
- From 8 to Midnight. Cloudy. Pleasant. Light breeze from S. At 8.25 started ahead on her. At 8.50 stopped and filled sail. Stopped and got soundings in 3033 fathoms water, bottom reddish brown mud. At 10.16 started ahead. Made all plain sail to port, except flying jib. Tanked fire. At 11.30 set flying jib. Fire tanked in four trials. Steam pressure 25 lb. Distilling. (Piquet) Clinton K. Curtis  
Lieut.
- From Midnight to 4 P.M. Cloudy. Pleasant. Light S. by W. breeze. Sun, thin clouds. Fire tanked in four trials. Steam pressure 30 lb. Distilling. At 12-15 changed course to W. by S. Stopped and filled 12 IX in 3 XI and 3, 60 lbs. pipe shells. (Piquet) Samuel C. Remley  
Ensign.
- From 4 to 6 P.M. Overcast. Pleasant. Light breeze from S. by W. Fire tanked in four trials. Steam pressure 30 lb. Distilling. (Piquet) Charles F. T. Moore  
Ensign.
- From 6 to 8 P.M. Overcast, and pleasant. Light breeze from S. & W. Fire tanked in four trials. Steam pressure 30 lb. Distilling. (Piquet) James K. Cogswell  
Lieut.
- From 8 to Midnight. Cloudy. Cool. Light breeze from S. & W. - Ship under all plain sail. At 9.33 rounded call to General quarters. Steam at 9.49. At 10, stopped distilling. Fire tanked in four trials. Steam pressure 30 lb. (Piquet) Clinton K. Curtis  
Lieut.

Examined and found to be correct.

(Piquet) Ora Walker  
Lieut.

Navigator.



Steamer *Exeter*

At Sea

3<sup>rd</sup>

Rate,

6

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WIND.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 5 ft.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	4	4	H. 1/2 S.	S. by W.	3		29.90	72	73	70	75	0	Cumulus	0		All plain sail
2	4	4	H. 3/4 S.	"	3		29.90	72	73	70	75	"	"	0	"	& W. by S. sail. W. & S.
3	4	2	H. by S.	"	2		29.90	72	73	70	75	"	"	0	"	best part -
4	4	2	"	"	2		29.90	72	73	70	75	"	"	0	"	"
5	4	4	"	"	2		29.92	72	73	70	75	"	"	0	"	"
6	3	6	"	"	2		29.95	72	73	70	75	"	"	0	"	"
7	3	2	H. 3/4 S.	S. by W.	2	1/4	29.95	72	73	70	75	"	"	0	"	"
8	3	2	H. 3/4 S.	"	2		29.96	72	73	70	75	"	"	0	"	"
9	2	0	H. by S.	"	1		29.97	72	73	71	75	"	"	0	"	"
10	1	4	H.	"	1		29.97	72	73	72	75	"	"	0	"	"
11	3	0	H. 3/4 S.	S. by W.	2		29.95	72	73	71	75	"	"	0	"	"
Noon.	3	6	H.	"	2		29.94	72	73	71	75	"	"	0	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water *Condensed* during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

88 knots 4 fathoms.

12° 34' 30" S.

2° 35' 30" E.

12° 25' 30" S.

2° 34' 00" E.

23° 40' 00" W.

300 gallons.

500 "

2400 "

2 tons 540 lbs.

124 " 342 "

P. M.																
1	2	0	West	S. by W.	2	29.91	72	74	71	75	1	Cumulus	1			
2				S. by W.	2	29.92	73	74	71	75	"	"	1	"		
3			Downsizing	"	2	29.92	73	75	71	75	"	"	2	"		
4	1	4	H. 1/2 S.	"	2	29.90	73	75	71	75	"	"	2	"		
5	5	6	"	"	3	29.90	73	75	70	75	"	Cumulus	7	"		
6	6	2	"	"	3	29.91	73	75	70	74	"	"	6	"		
7	6	0	"	"	3	29.90	73	73	70	74	"	"	8	"		
8	6	0	"	"	3	29.92	73	75	70	74	"	Cumulus	9	"		
9	6	0	"	"	3	29.94	72	75	70	74	"	"	9	"		
10	6	0	"	"	3	29.92	72	75	70	74	"	"	9	"		
11	6	0	"	"	3	29.92	72	75	70	74	"	"	9	"		
Mid.	5	4	"	"	3	29.92	72	75	70	74	"	"	9	"		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Pelley*  
*Thursday December 27<sup>th</sup>*

U. S. Navy,  
 1877.

Expended at Target Practice.  
 3 *XI* in shells loaded and fired  
 3 60 Pbs. " " "  
 6 *IX* in " " "  
 45 lb Powder cannon in 15 lb tag  
 18 " " " 6 " "  
 0 " " " 10 " "  
 3 Cartridge tag 15 lb  
 " " 6 "  
 " " 10 "  
*IX* in Shot Solid  
 Primer Quill

(Signed) *Ara Walpus* *Lieut.*

*W. 12 P. At 545 rained gun.*

(Signed) *Clinton K. Curtis* *Lieut.*

From 4 to 6 P.M. Clear. Cool. Moderate S. by W. breeze. Long swell. Fine  
 tanked in four boiler. Steam pressure 50 lb.

(Signed) *Samuel C. Lundy* *Ensign.*

From 6 to 8 P.M. Clear and pleasant. Moderate breeze from S. At 6.30  
 hauled down flying jib. Fine tanked in four boiler. Steam pressure 20 lb.

(Signed) *Charles B. T. Moore* *Ensign.*

From 8 to Midnight. Clear. Cool. Moderate breeze from S. Bright starlight.  
 Fine tanked in four boiler. Steam pressure 20 lb.

(Signed) *James K. Cogswell* *Lieut.*

Examined and found to be correct.

(Signed) *Ara Walpus* *Lieut.*

Navigator.



Commence and until 4 A.M. Cloudy. Cool. Pleasant. Light S.W. breeze. Cum. Himt. clouds. Steamed Mornlight. Time tanked in four boiler. Steam pressure 30 lbs.

(Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Overcast. Cool. Pleasant. Light breeze from S.W. Time in four boiler. Steam pressure 25 lbs.

(Signed) Charles B. T. Moore Ensign.

From 8 to Midnight. Overcast. Pleasant. Light breeze from S.W. and W. At 9.15 inspected at quarter. At 11.35 started fire in four boiler. Steam pressure 20 lbs.

(Signed) James H. Cogswell Ensign.

From Midnight to 4 P.M. Cloudy. Pleasant. Light breeze from S.W. and W. At 12.20 stop in and fueled light sail and fore sail. At 12.45 started engine and stop in fore sail and fore and aft sail. Got soundings in 3063 fathoms of water, bottom reddish brown mud. At 2.40 rounded call to General Quarter, cast over port battery and got target overboard. Expended at target practice. At 3.40 called all hands make sail. Made sail and set corner W. 1/2 S. At 3.45 tanked fire.

(Signed) Clinton K. Curtis Ensign.

From 4 to 6 P.M. Clear. Cool. Moderate S.W. breeze. Long swell. Time tanked in four boiler. Steam pressure 30 lbs.

(Signed) Samuel C. Lundy Ensign.

From 6 to 8 P.M. Clear and pleasant. Moderate breeze from S.W. At 6.30 hauled down flying jib. Time tanked in four boiler. Steam pressure 20 lbs.

(Signed) Charles B. T. Moore Ensign.

From 8 to Midnight. Clear. Cool. Moderate breeze from S.W. Bright Mornlight. Time tanked in four boiler. Steam pressure 20 lbs.

(Signed) James H. Cogswell Ensign.

Examined and found to be correct.

(Signed) Ara Watper Ensign.



Steamer "Essex"

At Sea, 3<sup>rd</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 0		N. by E. S. by E.		2		29.91	71	72.69	74	tc	Clear	1			All plain sail,
2	4 0		"	"	1.2		29.90	71	72.69	74	"	"	1			except M. sail
3	3 4		"	"	1.2		29.90	71	72.69	74	"	"	1			"
4	4 0		"	S. by E.	1.2		29.90	71	72.69	74	"	"	1			"
5	4 2		"	"	2		29.94	71	72.69	74	"	Clear	1			All plain sail,
6	3 2		"	"	1		29.97	71	72.71	74	"	"	1			with M. by sail,
7	1 6		"	"	0.1		29.99	71	72.71	74	"	"	1			except M. sail,
8	1 0		"	"	0.1		29.99	71	73.71	74	"	"	1			spanker & gaff topsail
9	0 4		"	"	0.1		29.99	72	73.71	74	"	"	1			"
10	1 0		"	"	0.1		29.99	73	74.72	74	"	"	1			All plain sail,
11	1 0		"	S. by E.	0.1		29.97	74	75.73	74	0	"	0			except M. sail.
Noon.	1 0		"	S. by E.	0.1		29.97	74	76.74	74	tc	Clear	5			"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 4 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

79 knots 2 fathoms.

13. 05. 20. S.

1. 24. 00. E.

12. 53. 30. S.

1. 16. 30. E.

23. 40. 00. W.

400 gallons.

"

2000 "

2 tons 1160 lbs.

121 " 1422 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	4		N. by E. S. by E.		0.1		29.95	74	77.74	75	tc	Clear	2			All plain sail,
2	1 0		"	"	1		29.98	74	76.75	76	"	"	4			except M. sail.
3	2 0		"	S. by E.	2		29.90	74	75.71	76	"	"	7			"
4	2 6		"	S. by E.	2		29.90	74	74.71	76	"	"	8			"
5	3 4		"	S. by E.	1.2		29.91	74	75.72	76	"	"	7			"
6	3 4		"	S. by E.	1.2		29.93	74	74.72	76	"	"	5			"
7	1 0		N. by E. S. by E.	S. by E.	1.2		29.94	74	74.72	75	"	Clear	7			"
8	3 0		"	"	1.2		29.94	74	74.72	75	"	"	7			"
9	3 2		"	S. by E.	2		29.96	73	75.70	75	"	"	6			"
10	3 4		"	"	2		29.96	73	75.70	75	0	"	0			"
11	3 6		"	"	2		29.96	73	75.70	75	"	"	0			"
Mid.	4 0		"	"	2		29.95	73	75.70	75	"	"	0			"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Schley  
Friday December 28<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Pleasant. Light breeze from S<sup>W</sup> and E<sup>W</sup>. Ship under all plain sail except Mainmast. Fire tankard under four boilers. Steam pressure 25 lbs.

(Signed) Clinton K. Smith Lieut.

From 4 to 8 A.M. Cloudy. Pleasant. Light S. E. breeze. Sea, Sun, Moon, clouds. At 7.45 took in spritsail and gaff topsail. Fire tankard in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy Ensign.

From 8 to Midnight. Cloudy. Pleasant. Light air from S<sup>W</sup> and E<sup>W</sup>. At 9.45 Commander inspected ship. Called all hands near ship for action. Afterwards repaired at gunnery quarters & fire quarters. Called away all boats, armed & equipped. At 11.15 set topmast and flying jib. At 12 set spritsail. Fire tankard in four boilers. Steam pressure 25 lbs.

(Signed) Charles B. T. Moore Ensign.

From Midnight to 4 P.M. Clear & pleasant. Light air from S<sup>W</sup> and E<sup>W</sup>. Fire tankard in four boilers. Steam pressure 20 lbs.

(Signed) James K. Cogswell Lieut.

From 4 to 6 P.M. Clear & pleasant. Light breeze from S<sup>W</sup>. At 4 spread fire and got up steam. At 4.55 coupled engine. At 5 called "Clinton sail", took in and furlled all sail, except spritsail and gaff topsail. Commenced sounding at 5.08. Followed at 5.48 fullblast, reddish brown wind.

(Signed) Clinton K. Smith Lieut.

From 6 to 8 P.M. Clear. Pleasant. Gentle S. W. breeze. Sun, Moon, clouds. At 6.45 made all plain sail & off on our course. At 7 tankard fire and uncoupled engine. Fire tankard in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy Ensign.

From 8 to Midnight. Clear first hour. Overcast and pleasant remainder of watch. Light breeze from S<sup>W</sup>. Fire tankard in four boilers. Steam pressure 25 lbs.

(Signed) Charles B. T. Moore Ensign.

Examined and found to be correct.

(Signed) Ada Walker Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Temp of Clear Sky, in fath.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3	2	W. 1/2 S.	S. by E.	1.2		29.95	78	78	72	75	0	Clear	0		All plain sail.
2	3	0	"	"	2		29.98	78	72	72	75	"	"	0	"	except W. sail.
3	2	4	"	"	2		29.98	78	72	72	75	"	"	0	"	"
4	3	0	"	"	2		29.98	78	72	72	75	"	"	0	"	"
5	3	4	"	"	1.2		29.95	78	78	70	75	"	"	0	"	"
6	4	2	"	"	2		29.97	78	78	70	75	bc	"	1	"	"
7	4	0	"	"	2		29.99	78	78	70	75	"	"	1	"	"
8	4	0	"	"	1.2		30.00	78	78	70	75	"	"	1	"	Same, with W. sail and
9	4	6	"	"	2		30.01	78	74	71	75	"	Clear	2	"	and W. T. M. S. S.
10	4	4	"	"	2		30.00	78	74	71	75	"	"	4	"	"
11	2	6	"	"	1		30.00	74	75	72	75	"	"	3	"	"
Noon.	3	4	"	"	1.2		29.99	74	76	72	75	"	"	3	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots 3 fms. per hour, setting to the N. W. 1/4 W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 7.30 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

171 knots 2 fathoms.  
 13.30.00 S.  
 0.14.00 E.  
 13.25.00 S.  
 0.09.30 E.

25.00.00 W.  
 300 gallons.

1800 "

2 tons 580 lbs.

119 " 842 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Temp of Clear Sky, in 100s.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3	0	W. 1/2 S.	S. by E.	2		29.96	74	75	78	75	bc	Clear	3		All plain sail.
2	3	6	"	"	2		29.95	74	75	78	75	"	Clear	4		W. sail, with W. T. M. S. S.
3	4	0	"	"	2		29.95	74	75	78	75	"	"	5		Sail & W. T. M. S. S.
4	3	6	"	"	2		29.98	74	75	78	75	"	"	6		"
5	4	2	"	"	3		29.98	78	78	70	75	"	Clear	2		"
6	5	4	"	"	3		29.91	78	78	70	75	"	"	1		"
7	6	0	"	S. by W.	2.5		29.92	78	74	70	75	"	"	1		"
8	2	0	"	S. by W. 1/2 E.	2.4		29.94	78	74	71	75	"	Clear	2		Spanker & gaff top
9	2	0	"	S. by E.	3		29.94	78	74	71	74	"	Clear	3		All plain sail
10	2	0	W. 1/2 S.	S. by E.	3		29.96	78	78	70	74	"	"	3		W. sail, with W. T. M. S. S.
11	5	0	"	"	3		29.98	72	78	70	74	0	Clear	0		& W. T. M. S. S.
Mid.	5	6	"	"	3		29.96	72	78	70	74	bc	"	2		"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Perry  
Saturday December 29<sup>th</sup>

U. S. Navy,

1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast - Pleasant - Light breeze from S. by E. -  
Fire tanked in four boilers. Steam pressure 15 lb. - (Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy - Pleasant - Light breeze from S. and E. - Fire  
tanked in four boilers. Steam pressure 15 lb. - (Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Cloudy - Warm. Gentle S. by E. breeze. Clear, calm, light, clouds.  
Got up main topmast stay sail, but, and at 10.25 set it. The following  
furnishment was assigned by Commander, Edward Moran (S. 7.2.6) for repairing to-  
day the order of Petty Officer, 12 hours extra duty - Fire tanked in four boilers -  
Steam pressure 25 lb. - (Signed) Samuel C. Rensley  
Ensign.

From Midnight to 4 P.M. Cloudy - Pleasant - Light breeze from S. by E. At 12.15  
changed course to N. 3/4 S. Quantity Board of Sundry commodities 25 gals. of  
vinegar, lost by leakage - Fire tanked in four boilers. Steam pressure 25 lb. -  
(Signed) Charles F. T. Moore  
Ensign.

From 4 to 6 P.M. Cloudy - Pleasant - Moderate breeze from S. - Fire tanked  
in four boilers. Steam pressure 25 lb. - (Signed) James K. Cogswell  
Lieut.

From 6 to 8 P.M. Cloudy and pleasant - Light breeze from S. by W. to S. by E.  
Spent fire and got up steam at 6.30. Completed engine at 7.25. At 7.20  
called "Shorten sail", took in and furled all sail, except main & gaff topsail.  
Commenced coaling at 7.45 - (Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Cloudy - Good - Pleasant - Light breeze from S. by E.  
At 8.15 cast in 2927 fathoms wire, bottom, mud. At 9.25 stopped steaming,  
uncoupled, made sail, and tanked fire. At 9.50 started distilling -  
Fire tanked in four boilers. Steam pressure 30 lb. Distilling -  
(Signed) Samuel C. Rensley  
Ensign.

Examined and found to be correct.

(Signed) Ara Walpus  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prevalence of Clouds, by symbols.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 5 P.M.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 4	W. 3/4 S.	South	S			29.97	73	72	69	74	bc	Cumul. fast	S		All plain sail,
2	5 4	"	"	S			29.94	73	72	69	74	0	"	0	"	except M. sail, with
3	6 0	"	"	S			29.93	73	72	69	74	"	"	0	"	M. sail, with
4	6 6	"	"	S 1/4 E			29.93	72	72	69	74	"	"	0	"	M. T. M. S. S.
5	5 4	"	"	S			29.92	72	71	69	74	"	"	0	"	"
6	5 4	"	"	L			29.91	71	71	69	74	"	"	0	"	"
7	4 0	"	"	L			29.95	71	71	69	74	"	"	0	"	"
8	3 4	"	"	L			29.98	71	71	69	74	"	"	0	"	"
9	3 4	"	"	1.2			29.99	73	72	69	74	"	"	0	"	"
10	4 4	"	"	L			29.99	73	73	69	74	"	"	0	"	"
11	5 0	"	"	L			29.99	73	73	71	74	"	"	0	"	"
Noon.	5 6	"	"	L			29.98	73	74	71	74	"	"	0	"	"

Distance run by Log since preceding Noon

105 knots 0 fathoms.

Latitude by D. R. at Noon

14° 23' 20" S.

Longitude by D. R. at Noon

1° 20' 30" W.

Latitude by Observations at Noon

14° 15' 10" S.

Longitude by Chronometer from Forenoon Observations

1° 30' 20" W.

Current during the time knots 4 fms. per hour, setting to the

N. W. 1/2 W.

Variation of the Compass by Amplitude observed at Sunrise

0°

Variation of the Compass by Azimuth observed at

0°

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

550 "

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

2 tons 1150 lbs.

Coal remaining on hand at Noon

116 " 19 1/2 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Ther. at 5 P.M.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prevalence of Clouds, by symbols.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
1	5 0	W. 3/4 S.	S. by E.	L			29.97	71	71	69	74	0/c	Cum. fast	0	All plain sail,
2	5 0	"	S. by E.	S			29.95	71	72	70	74	bc	"	2	M. sail, with M.
3	5 2	"	S. by E.	2.4			29.93	70	70	70	74	bc/c	"	3	M. sail & M. T. M. S.
4	5 6	"	"	S			29.91	70	71	70	74	bc	"	6	"
5	4 0	"	"	L			29.92	72	72	70	74	"	"	4	Spanker & gaff tops
6	3 4	"	"	L			29.94	72	73	70	74	"	"	7	"
7	1 4	W. 3/4 S.	S. by E.	L			29.95	72	72	70	74	"	"	8	All plain sail, with
8	3 4	"	"	1.2			29.97	72	72	71	73	"	"	8	M. sail, with M. T. M. S.
9	3 0	"	"	1.2			29.97	72	72	71	73	"	"	2	"
10	2 0	"	"	1.2			29.97	72	72	71	73	"	"	2	"
11	2 0	"	"	1.2			29.97	72	72	71	73	"	"	2	"
Mid.	2 4	"	"	1.2			29.97	72	72	71	73	"	"	2	"

Longitude by Chronometer from Afternoon Observations

0°

Longitude by Chronometer from Observations

\*

0°

Variation of the Compass by Amplitude observed at Sunset

0°

Variation of the Compass by

at

0°



under the command of

Commander Winfield Scott Petty  
Sunday December 30<sup>th</sup>

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast - Cool - Moderate breeze from S.W.  
Moon rose at 3. Fine tanked in four trials. Distilling.

(Signed) Charles F. T. Moore  
Lieut.

From 4 to 8 A.M. Overcast - Pleasant - Light breeze from S.W. Fine tanked in four trials - Distilling.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight - Cloudy - Pleasant - Light breeze from S.W. At 9.30 the Commander inspected ship and crew at quarters. Immediately after, called all hands to muster and read prayer on quarter deck. Fine tanked in four trials. Distilling.

(Signed) Clinton K. Curtis  
Lieut.

From Midnight to 4 P.M. Partially clear - Light passing showers. Moderate S.W. breeze. Sea, calm, light, clouds. Fine tanked in four trials. Pressure 30.00. Distilling.

(Signed) Samuel C. Kneely  
Surgeon.

From 4 to 6 P.M. Cloudy - Pleasant - Light breeze from S.W. At 5 called all hands, shortened and fueled sail. At 5.15 commenced sounding. Bottom at 2789 fathoms, light brown sandy mud. Fine in four trials.

(Signed) Charles F. T. Moore  
Lieut.

From 6 to 8 P.M. Clear & Pleasant - Light breeze from S.W. and E. At 6.40 started ahead. At 6.50 made all plain sail. At 7 tanked fine in four trials.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight - Cloudy - Pleasant - Light breeze from S.W. and E. Fine tanked in four trials. Distiller in operation.

(Signed) Clinton K. Curtis  
Lieut.

Examined and found to be correct.

(Signed) Ora Walker  
Lieut.

Navigator.



Hiram

Essex

At Sea

Rate,

6

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3 0		N. 3/4 E.	S. by E.	7		29.93	72	73	70	74	bc	Clear	3		M. T. M. S. S. M.
2	1 0		"	Calu	0		29.94	73	73	70	74	"	"	3		try sail by all plain.
3	2 0		"	S. S. E.	1		29.94	72	72	70	74	"	"	4		sail, except M. sail.
4	2 0		"	"	1		29.96	72	72	70	74	"	"	4		"
5	1 4		"	"	1		29.95	72	72	69	74	"	Clear	1		"
6	1 6		"	"	1		29.97	72	72	69	74	"	"	2		"
7	2 2		"	"	1		29.98	72	72	69	74	0	"	0		"
8	2 4		"	"	1-2		29.99	72	72	70	74	bc	"	1		"
9	1 4		"	"	1		30.01	73	72	71	74	0	"	0		"
10	0 6		"	"	1		30.00	74	72	72	74	"	"	0		"
11	0 4		"	"	1		30.00	74	74	73	74	"	"	0		"
Noon.	1 0		"	"	1		30.00	77	77	74	74	bc	Clear	7		"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

59 knots 2 fathoms.

14 48.00 S.

2 21.20 W.

14 42.00 S.

2 29.30 W.

25 21.00 W.

400 gallons.

1000 "

2700 "

1 tons 2220 lbs.

114 1952 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	1 0		N. 1/2 E.	S. S. E.	1		29.99	74	77	73	74	bc	Clear	7		M. T. M. S. S.
2	1 0		"	"	1		29.98	75	76	72	74	"	"	4		M. try sail, by all plain sail by M. sail.
3	2 0		"	"	1		29.95	75	75	71	74	"	"	4		"
4	2 0		"	"	1		29.95	75	74	71	74	"	"	3		"
5	2 2		"	"	1		29.93	75	74	72	74	"	"	3		"
6	2 4		"	"	1		29.94	75	74	72	74	"	"	4		"
7	3 0		"	"	1		29.96	75	73	71	74	"	Clear	1		"
8	3 4		"	"	1		29.97	75	73	70	74	"	"	6		"
9	2 6		"	"	2		29.98	75	73	71	73	"	"	1		"
10	2 0		"	"	2		29.99	75	73	71	73	"	"	8		"
11	5 2		"	"	3		29.98	75	73	71	73	"	"	8		"
Mid.	2 0		"	"	3		29.97	72	72	70	73	"	"	6		"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

End of month



under the command of

Commander Winfield Scott Schley  
Monday December 31<sup>st</sup>

, U. S. Navy,  
1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Pleasant. Light S.E. air. Cir, Cum, Mist, clouds. At 2-35 Noon. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Ensign.

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Light air from S.E. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Charles B. T. Moore  
Ensign.

From 8 to Midnight. Cloudy. Warm. Light air from S.E. At 9.15 arrived at general quarters. Fire casting done. Marine Guard 30. Har. Div. 1<sup>st</sup> 45. 1<sup>st</sup> Div. 3<sup>rd</sup> 15. 2<sup>nd</sup> Div. 2<sup>nd</sup> 45. Powder Div. 2<sup>nd</sup> 10. Engine Div. 2<sup>nd</sup> 20. Pumped in 6<sup>th</sup> 45. In order of Commander, Michael Clapp (2<sup>nd</sup> Gr) is to have his money and liberty stopped, next liberty, for being insubordinate and profane. Fire tanked in four boilers. Steam pressure 25 lbs. Stopped distilling at 11.

(Signed) James K. Cogswell  
Lieut.

From Midnight to 4 P.M. Partly cloudy. Pleasant. Light breeze from S. and E. At 12-10, changed course to W. N. E. Commanded by Perry, one Bt. of Buf. (St. Paul de Loanza) ordered it to be thrown overboard. Fire tanked in four boilers. Steam pressure 25 lbs.

(Signed) Clinton K. Gutter  
Lieut.

From 4 to 6 P.M. Partly clear. Pleasant. Gentle breeze from S.E. Cir, Cum, clouds. Fire tanked in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy  
Ensign.

From 6 to 8 P.M. Cloudy. Pleasant. Light breeze from S.E. At sunset mustered at quarters. Fire tanked in four boilers. Steam pressure 25 lbs.

(Signed) Charles B. T. Moore  
Ensign.

From 8 to Midnight. Clear. Pleasant. Moderate from S. and E. Fire tanked in four boilers. Steam pressure 25 lbs.

(Signed) Clinton K. Gutter  
Lieut.

Examined and found to be correct.

(Signed) Ora Waesche  
Lieut.

Navigator.



Steamer "Essex"

At Sea, 3<sup>rd</sup> Rate, 6 Guns.

Hour	Knots	Fathoms	Course steered	WINDS		Barometer	TEMPERATURE				State of the Weather, by symbols	Form of Clouds, by symbols	Force of Gale, by symbols	State of the Sea	Record of the sail the vessel is under at end of watch
				Direction	Force		Height in inches	Ther. air'd.	Air Dry Bulb	Air Wet Bulb	Water at surface				
A. M.															
1	5.0		N. 1/2 S.	S. 1/4 E.	2	29.96	72	72	70	73	bc	Cum. 1/2	4		All plain sail
2	4 4		"	"	2	29.94	72	72	70	73	"	"	6		except W. sail.
3	6 0		"	"	2-3	29.94	72	71	69	73	"	"	5		"
4	5 4		"	"	2	29.94	72	72	69	73	"	"	4		"
5	3 6		"	"	1-2	29.96	71	71	70	73	"	"	4		"
6	3 2		"	"	2	29.98	72	73	70	73	"	"	4		"
7	4 2		"	"	3	30.01	71	73	70	73	"	"	3		S. 1/2 W. 1/2 S. 1/2 E. 1/2 S.
8	2 2		"	"	3	30.01	72	73	71	73	"	"	3		"
9	Founding		"	"	3	30.02	73	73	71	73	"	"	5		All plain sail
10	5 0		N. 1/2 S.	"	4	30.02	73	73	71	73	"	"	3		W. sail, with W. T. M.
11	5 4		"	"	3	30.02	73	74	72	73	"	"	5		S. 1/2 W. 1/2 S. 1/2 E. 1/2 S.
Noon	6 0		"	"	3	30.01	73	74	72	73	"	"	2		"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

83 knots 0 fathoms.  
 15. 24. 36. S.  
 3. 45. 00. W.  
 15. 17. 28. S.  
 3. 49. 00. W.

P. M.	1	4	N. 1/2 S.	P. by E.	3	29.97	73	74	72	73	bc	Cum. 1/2	4	S	All plain sail.
1	4	4	N.		3	29.94	73	74	72	73	"	"	4	"	except W. sail, with
2	5	4	"	"	3	29.92	72	74	71	73	"	"	5	"	W. T. M. S. S. 1/2 W. T.
3	4	6	"	"	3	29.91	72	73	71	73	"	"	6	"	sail.
4	4	0	"	"	2	29.91	72	73	71	73	"	"	4	"	"
5	3	6	"	"	2	29.91	72	73	71	73	"	"	4	"	"
6	3	4	"	"	2	29.91	72	73	71	73	"	"	4	"	"
7	3	2	"	"	2	29.96	72	73	70	73	"	"	3	"	"
8	4	0	"	"	1-2	29.96	72	73	70	73	"	"	4	"	"
9	4	4	"	"	2	29.98	72	72	70	73	"	"	5	"	"
10	4	4	"	"	3	29.98	72	72	70	73	"	"	7	"	"
11	3	6	"	"	3	29.98	72	72	70	73	"	"	8	"	"
Mid.	4	2	"	"	3	29.97	72	72	70	73	"	"	4	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Schley  
Tuesday January 1<sup>st</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy - Pleasant - Light breeze from S.W. - Time tamped in four trials - Steam pressure 25 lbs.

(Signed) Clinton K. Curtis

from 4 to 8 A.M. Partially cloudy - Pleasant - Light to Moderate breeze from S.W. At 6-50 spread fur - At 7-20 completed propulsion, at 7-25 took in and fueled all coal, except spanner and gaff topsail, & at 7-50 commenced sounding - Average steam pressure 25 lbs, fire in four trials.

(Signed) Samuel C. Lundy

from 8 to Midnight, Cloudy - Pleasant - Moderate breeze from S.W. Sounding first horn. At 8-17 got cast in 2568 fathoms, bottom light brown mud and sand. At 9-05 started ahead - Called all hands and made all plain sail - Tamped fire. At 9-25 inspected at quarter - Expended at compass drill - Time tamped in four trials - Steam pressure 25 lbs.

(Signed) Charles F. T. Moore

from Midnight to 4 P.M. Cloudy - Pleasant - Light breeze from S.W. and E. at 11-15 changed course to West - Time tamped in four trials - Steam pressure 25 lbs.

(Signed) James K. Cogswell

from 4 to 6 P.M. Partially cloudy - Pleasant - Light breeze from S.W. and E. - Time tamped in four trials - Steam pressure 25 lbs.

(Signed) Clinton K. Curtis

from 6 to 8 P.M. Partially clear - Pleasant - Light S.W. breeze - At 6-30 mustered at quarter - Time tamped in four trials - Steam pressure 25 lbs.

(Signed) Samuel C. Lundy

from 8 to Midnight - Pleasant - Partially cloudy - Light breeze from S.W. - Time tamped in four trials - Steam pressure 25 lbs.

(Signed) Charles F. T. Moore

Examined and found to be correct.

(Signed) Ora Walpole

Lieut.

Navigator.



Steamer

Essex

3<sup>rd</sup> Rate,

6

GUNS.

At Sea by At Pt Helena

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prevalence of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3	4	West	S. by E.	2		29.95	73	72	71	73	0	Clear	0		All plain sail
2	3	0	"	"	2		29.98	72	72	71	73	0	"	0	"	except M. sail,
3	4	2	"	"	3		29.95	72	72	71	73	0	"	0	"	with M. by sail and
4	5	2	"	"	3		29.95	72	72	71	73	0	"	0	"	M. T. M. S. S.
5	5	9	"	"	2		29.98	72	72	71	73	0	"	0	"	"
6			Founding	"	2		29.98	73	73	71	73	bc	"	1	"	"
7	3		H. by H.	"	2		29.95	73	73	71	73	"	"	2	"	Plain sail.
8	5		"	"	2		29.99	73	73	71	73	"	"	3	"	"
9	4		H. M. H.	S. by E.	2		29.99	73	74	71	73	"	Clear	8	"	"
10	2		"	"	2		29.99	74	76	73	74	"	"	8	"	"
11	1		H. M. H. H.	"	2		29.99	74	77	74	74	"	"	8	"	Straining
Noon.			Straining under H. Helena	"	2		29.98	74	76	74	74	"	"	9	"	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

950 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

2 tons 1160 lbs.

Coal remaining on hand at Noon

109 " 1482 "

P. M.																
1	At Anchor	H. by H.	2	29.97	74	77	75	bc	Clear	8						
2	"	"	2	29.96	76	79	77	"	"	9						
3	"	"	1	29.94	76	79	77	"	"	7						
4	"	"	1	29.92	76	79	77	"	"	6						
5	"	"	1	29.92	76	78	75	"	"	6						
6	"	P. W.	1	29.94	75	77	74	"	"	7						
7	"	"	1	29.96	74	76	73	"	"	6						
8	"	"	1	29.97	74	75	73	"	"	6						
9	"	"	2	29.97	74	75	73	"	"	9						
10	"	E. by E.	2	29.98	74	75	73	"	"	5						
11	"	"	8	29.98	74	75	73	"	"	3						
Mid.	"	"	2	29.98	74	75	73	"	"	6						

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winifred Pitt Siding  
Wednesday January 2<sup>nd</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and end 4 A.M. Overcast Cool. Moderate breeze from S<sup>W</sup> and E<sup>W</sup>. Five tanks in four trials. Steam pressure 25 lbs.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy. Pleasant. Light breeze from S<sup>W</sup>. At 4.10 spread fire. At 4.55 stop in and fuelled all stoves, got soundings in 2306 fathoms of water, bottom very light sand. At 5.03 made lead heaving. At 6.18 started ahead under steam & changed course to N. by E. At 6.30 made all plain sail. Stoppered engine and tanked fire. Put both lower chains and got anchors ready for letting go. Five tanks in four trials.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight Clear Warm. Light S. by E. breeze. At 8.17 changed course to N. by E. 1/4 W. At 9.30 shortened and fuelled sail and got soundings in 2091 fathoms of water, bottom shells & sand. At 10.45 made sail, except foremast & mizzen on course under steam and sail. At 11.15 shortened and fuelled sail. Engaged in getting ship ready for port. Steaming with four trials. Steam pressure 55 lbs. Revolutions 41.

(Signed) Samuel C. Rensley  
Ensign.

From Midnight to 4 P.M. Clear & Warm. Light breeze from N<sup>W</sup>. Steaming in for Lamer town. At 12.40 called, "bring ship to anchor". At 1, came to in 21 fathoms of water with starboard anchor, using 15-45 fathoms of chain. Breezing. Drove Pond Point N. by E. 1/4 S. Landerdown S. by N. At 1.40 hauled fire. Making preparations for getting up rigging. Hauled forward 13 fms 10<sup>in</sup>. Amidships 14 fms 10<sup>in</sup>. Aft 15 fms 10<sup>in</sup>. An Officer from H. M. S. "Arion" called on Commander. American Vice Consul visited Commander.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 P.M. Clear Warm. Light variable breeze. Lowered pump pipe. Put out Main Mast stay sail. At sunset put down light yards and put out light sails.

(Signed) Samuel C. Rensley  
Ensign.

From 8 to Midnight. Partially cloudy. Cool. Light breeze from S<sup>W</sup> and E<sup>W</sup>.

(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Ada Walper  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				<i>E. S. E.</i>	<i>1</i>	<i>29.91</i>	<i>78</i>	<i>74</i>	<i>71</i>		<i>bc</i>	<i>Cum</i>	<i>8</i>	<i>8</i>	
1				<i>P.</i>	<i>2</i>	<i>29.92</i>	<i>78</i>	<i>74</i>	<i>71</i>		<i>"</i>	<i>"</i>	<i>8</i>	<i>"</i>	
2				<i>P.</i>	<i>1.5</i>	<i>29.93</i>	<i>78</i>	<i>74</i>	<i>71</i>		<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>	
3				<i>P. E.</i>	<i>1</i>	<i>29.94</i>	<i>78</i>	<i>74</i>	<i>71</i>		<i>"</i>	<i>"</i>	<i>8</i>	<i>"</i>	
4				<i>P. S. E.</i>	<i>3</i>	<i>29.96</i>	<i>72</i>	<i>74</i>	<i>71</i>		<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	
5				<i>"</i>	<i>3</i>	<i>29.97</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
6				<i>"</i>	<i>2</i>	<i>29.98</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	
7				<i>"</i>	<i>1</i>	<i>29.99</i>	<i>72</i>	<i>73</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
8				<i>P.</i>	<i>2</i>	<i>30.00</i>	<i>74</i>	<i>74</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	
9				<i>P.</i>	<i>3</i>	<i>29.99</i>	<i>74</i>	<i>76</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
10				<i>P. E.</i>	<i>1.5</i>	<i>29.98</i>	<i>74</i>	<i>77</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
11				<i>"</i>	<i>1.5</i>	<i>29.99</i>	<i>74</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
Noon.				<i>"</i>	<i>1.5</i>	<i>29.99</i>	<i>74</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

500 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

109 " 1182 "

P. M.				<i>P. E.</i>	<i>2</i>	<i>29.96</i>	<i>75</i>	<i>78</i>	<i>76</i>		<i>bc</i>	<i>Cum</i>	<i>4</i>	<i>8</i>	
1				<i>"</i>	<i>3.4</i>	<i>29.95</i>	<i>76</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	
2				<i>"</i>	<i>2.4</i>	<i>29.94</i>	<i>76</i>	<i>79</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
3				<i>"</i>	<i>2.4</i>	<i>29.92</i>	<i>76</i>	<i>79</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
4				<i>"</i>	<i>2.4</i>	<i>29.93</i>	<i>76</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	
5				<i>"</i>	<i>2.5</i>	<i>29.95</i>	<i>76</i>	<i>77</i>	<i>75</i>		<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	
6				<i>"</i>	<i>2.4</i>	<i>29.96</i>	<i>76</i>	<i>76</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
7				<i>"</i>	<i>2.4</i>	<i>29.97</i>	<i>75</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
8				<i>"</i>	<i>2.4</i>	<i>29.90</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	
9				<i>"</i>	<i>2.5</i>	<i>29.99</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	
10				<i>"</i>	<i>2.5</i>	<i>29.99</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
11				<i>"</i>	<i>2.5</i>	<i>29.99</i>	<i>74</i>	<i>75</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
Mid.				<i>"</i>	<i>2.5</i>	<i>29.99</i>	<i>74</i>	<i>75</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Pitt Pelley  
Thursday January 3<sup>rd</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear Cool. Pleasant. Light variable  
breeze, with several heavy gusts off the island. (Signed) Samuel C. Lundy, <sup>Ensign.</sup>

From 4 to 8 A.M. Cloudy. Pleasant. Light breeze from S<sup>th</sup> and E<sup>th</sup>.  
Engaged in setting up standing rigging. (Signed) James K. Cogswell, <sup>Lieut.</sup>

From 8 to Midnight, Clear & pleasant, with wind blowing in puffs,  
moderate, from S.E. Engaged in setting up rigging, & standing watch.  
By order of Commanding Officer, the following named S.P.C. have  
been assigned to duty from the 2<sup>nd</sup> inst. inclusive, viz. Henry H. Hill,  
J. P. Duncan, Robert Landon, W. M. McCarroll, John Delmon, John  
Kensyon, William Hardie, Charles Brandley, Anthony McFadden,  
W. H. Danforth, W. D. Curpene, John H. Athagan, F. W. DeForest,  
John Williamson, E. F. King, F. C. Jones, C. F. Olson, Lewis Potts, and  
John Bellum. (Signed) Charles Z. T. Moore, <sup>Ensign.</sup>

From Midnight to 4 P.M. Cloudy. Pleasant. Moderate breeze from S<sup>th</sup> and  
E<sup>th</sup>, blowing fresh in puffs. Engaged in setting up rigging and  
pulling down. Tenth chain to 65 fathoms. The Commanding Officer,  
with several officers, paid an official visit to the Governor of the Island.

(Signed) James K. Cogswell, <sup>Lieut.</sup>  
From 4 to 8 P.M. Cloudy. Cool. Moderate breeze from S<sup>th</sup> and E<sup>th</sup>,  
with frequent gusts. Engaged in pulling and hauling down rigging.

(Signed) Charles Z. T. Moore, <sup>Ensign.</sup>  
From 8 to Midnight. Cloudy. Pleasant. Moderate breeze from S<sup>th</sup>  
and E<sup>th</sup>, with frequent strong puffs. (Signed) James K. Cogswell, <sup>Lieut.</sup>

Examined and found to be correct.

(Signed) Ada Halper, <sup>Lieut.</sup>

Navigator.



Steamer "Essex"

Dr Helena

Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WIND.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				SE	2.5	29.95	73.74	72				od	Sum. Fin.	0	
2				E. S. E.	3.5	29.96	73.74	72				bc	"	2	
3				"	3.5	29.98	73.74	72				o	"	0	
4				S. E.	2	29.99	73.74	73				od	"	0	
5				"	1.5	30.00	73.73	73				"	"	0	
6				"	1.5	30.00	73.72	73				"	"	0	
7				"	1.5	30.00	73.72	73				"	"	0	
8				"	1.5	30.01	73.73	74				"	"	0	
9				"	1.5	30.01	73.77	74				"	"	0	
10				E. S. E.	1.4	30.00	73.76	74				"	"	0	
11				E.	2.5	30.00	73.77	75				bc	"	4	
Noon.				S. E.	2.5	29.99	73.77	75				"	"	3	

Distance run by Log since preceding Noon,

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1400 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 932 "

P. M.															
1				South	2.4	29.98	75.77	75				bc	Sum. Fin.	3	
2				"	1.3	29.96	76.78	75				"	"	3	
3				"	1.3	29.96	76.77	74				"	"	5	
4				"	1.3	29.96	76.76	74				"	"	5	
5				"	1.3	29.96	76.76	74				"	"	5	
6				"	1.3	29.96	75.75	74				"	"	5	
7				"	2	29.95	75.75	74				"	"	6	
8				"	2	30.00	75.75	73				"	"	7	
9				East	2	30.01	75.75	72				"	"	7	
10				"	2	30.02	74.75	72				"	"	5	
11				"	1.3	30.02	74.75	72				"	"	4	
Mid.				"	1.3	30.02	74.74	72				"	"	4	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Schley  
Friday January 4<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast. Drizzling rain first and last hours. Moderate breeze from S<sup>W</sup> and E<sup>W</sup>, with frequent heavy gusts.

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 A.M. Weather damp & unpleasant. Drizzling rain at intervals during entire watch. Moderate breeze from S<sup>W</sup> & E<sup>W</sup> with heavy gusts. Barometer steady. Received fresh provisions for crew, 155 lbs of beef and 130 lbs of vegetables. Commanded by-

(Signed) Clinton K. Curtis

Lieut.

From 8 to Midnight. Cloudy & pleasant. Drizzling rain first part of watch. Variable wind, strong in puffs from S<sup>W</sup> and E<sup>W</sup>. Parting and raining down. The Secretary and A.D.C. to the Governor, called on Commander.

(Signed) James K. Cogswell

Lieut.

From Midnight to 4 P.M. Partially cloudy. Pleasant. Moderate breeze, with heavy gusts from S<sup>W</sup>. At 1.30 half mast color in company with H.B.M. S. "Dover", she sending a formal party ashore. At 3.00 an English full rigged ship came in and anchored. Finished raining down. Sent liberty party ashore.

(Signed) Clinton K. Curtis

Lieut.

From 4 to 8 P.M. Cloudy. Pleasant. Light breeze from S<sup>W</sup> and E<sup>W</sup>, strong in puffs.

(Signed) James K. Cogswell

Lieut.

From 8 to Midnight. Partially cloudy. Pleasant. Light breeze from S<sup>W</sup>, shifting to E<sup>W</sup> with strong puffs.

(Signed) Clinton K. Curtis

Lieut.

Examined and found to be correct.

(Signed) Ora Harper

Lieut.

Navigator.



Steamer "Elex" 3<sup>rd</sup> Rate, 6 Guns,  
Dr Helms

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.E.	2.3		29.99	74	74	73		bc	Cloud	5	9	
1				"	"		29.98	73	73	72		"	"	4	"	
2				"	2.4		29.98	73	73	72		"	"	6	"	
3				"	2.4		29.97	73	73	72		"	"	8	"	
4				E.P.E.	1		30.00	73	73	72		"	"	2	"	
5				"	1		30.00	73	73	72		"	"	3	"	
6				"	1		30.01	73	73	72		"	"	1	"	
7				"	1		30.03	73	73	72		0	"	0	"	
8				E.P.E.	1.5		30.03	74	74	72		"	"	0	"	
9				"	1.5		30.03	74	75	72		bc	"	1	"	
10				"	1.5		30.03	74	76	72		"	"	1	"	
11				"	1.5		30.03	74	76	72		"	"	1	"	
Noon.				"	1.5		30.03	74	76	72		"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

109 " 682 "

P. M.				P.E.	2.4		30.01	74	76	73		bc	Cloud	3	9	
1				"	2.4		30.00	74	76	73		"	"	4	"	
2				"	2.4		29.99	74	76	73		"	"	2	"	
3				"	2.4		29.97	74	76	73		"	"	5	"	
4				"	1.3		29.97	74	75	73		"	"	5	"	
5				"	1.3		29.97	74	74	72		"	"	5	"	
6				"	1.3		29.97	74	73	70		"	"	3	"	
7				"	1.3		29.98	74	73	70		"	"	2	"	
8				"	2.4		29.99	73	74	70		"	"	6	"	
9				"	2.4		29.99	73	74	70		"	"	6	"	
10				"	1.3		30.00	72	74	70		"	"	7	"	
11				"	1.3		30.00	72	74	70		"	"	7	"	
Mid.				"	1.3		30.00	72	74	70		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Pellay  
Saturday January 5<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Pleasant. Moderate breeze from S<sup>d</sup> and E<sup>d</sup>, with frequent strong puffs.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Light air varying from S to S.E. Received in Pay Dept, 150 lbs of fresh beef & same quantity of vegetables.

(Signed) Samuel C. Lundy  
Ensign.

From 8 to Midnight, Cloudy. Cool. Wind light from S.E. with strong gusts. Barometer steady.

(Signed) Clinton K. Smith  
Lieut.

From Midnight to 4 P.M. Partially clear. Pleasant. Moderate breeze, with gusts, from S.E. Sent second Liberty party ashore. Two English ships left the harbor. A large English ship came in and anchored.

(Signed) Samuel C. Lundy  
Ensign.

From 4 to 8 P.M. Cloudy. Pleasant. Light breeze from S<sup>d</sup> and E<sup>d</sup>. Barometer steady. By order of Commander, placed James V. Marion (S.L.C.) in solitary confinement, on bread and water, for insubordination and insolence to Officer of the Deck, & John L. King (P.M.) in double irons for being drunk on duty.

(Signed) Clinton K. Smith  
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Light wind, with heavy gusts, from S.E.

(Signed) Samuel C. Lundy  
Ensign.

Examined and found to be correct.

(Signed) Asa Walker  
Lieut.

Navigator.



Steamer

Essex

Dr Helena

3<sup>rd</sup>

Rate, 6

Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Current, by symbols.	Rate of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				S	1.3	29.98	72	73	70				to Current 3 S		
2				"	1.3	29.96	72	73	70				"	3	"
3				"	1.3	29.95	72	73	70				"	3	"
4				"	1.3	29.95	72	73	70				"	3	"
5				S.E.	2.4	29.96	72	73	71				"	5	"
6				"	3	29.97	73	73	71				"	4	"
7				"	2.4	29.97	73	74	72				"	3	"
8				S. S.E.	2.4	29.98	73	76	74				"	3	"
9				"	2.4	29.98	74	76	74				"	4	"
10				"	2.4	29.97	74	77	75				"	3	"
11				"	2.5	29.96	75	77	75				"	4	"
Noon.				"	2.5	29.96	75	77	75				"	6	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

109 " 492 "

P. M.															
1				S. S.E.	2.5	29.95	76	78	76				to Current 3 S		
2				S.E.	3.5	29.94	76	78	76				"	4	"
3				"	2.4	29.93	76	78	76				"	3	"
4				"	3.5	29.92	76	78	76				"	4	"
5				"	2.4	29.95	76	77	76				"	5	"
6				"	2.4	29.95	75	77	75				"	6	"
7				"	2.4	29.96	74	75	75				"	6	"
8				"	2.4	29.97	73	75	74				"	4	"
9				"	2.4	29.98	74	75	74				"	4	"
10				"	2.4	29.99	74	75	73				"	3	"
11				"	2.4	29.99	74	75	73				"	2	"
Mid.				"	3	29.98	74	75	73				"	0	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Pellay  
Pondag January 6<sup>th</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy. Pleasant. Wind moderate from S.E. with strong gusts. Barometer steady. (Signed) Clinton K. Curtis

From 4 to 8 A.M. Partially cloudy. Cool. Moderate breeze from S.E. with strong gusts. (Signed) Charles F. T. Moore

From 8 to Noon, Partially clear. Pleasant. S.E. breeze, with heavy gusts. At 9.30 Commander inspected ship and crew at quarters, & immediately after made passage. The following men were absent without leave, viz. James O'Donnell (I.C.F.) John W. Ardle (I.C.F.) John Donovan (I.C.F.) E.W. Magee (Lde) H. Lawrence (I.C.F.) Wicks, Perry (I.C.F.) A.M. Donald (Lde) E.P. Robb (Lde) James Philole (Lde) Richard Olsen (Lde) Charles Wilson (Lde) Thomas Kelly (S.T.) Wicks, Mangan (S.T.) Fred Foster (S.T.) Lewis Fackman (S.T. Sd) E.C. Taylor (I.M.) Frank Maguire (L.M.) E. Carr (Sd) At 11, E.C. Carr (Sd) returned on board. (Signed) Samuel S. Rensley

From Noon to 4 P.M. Cloudy. Pleasant. Moderate breeze from S.E. with strong gusts. (Signed) Charles F. T. Moore

From 4 to 8 P.M. Clear. Pleasant. Light breeze, with gusts from S.E. John W. Ardle (I.C.F.) & John P. Robb (Lde) returned on board. Falling showers during first two hours. (Signed) Samuel S. Rensley

From 8 to Midnight. Cloudy. Cool. Light falling showers. Light breeze from S.E. and E.S. with frequent strong gusts. (Signed) Charles F. T. Moore

Examined and found to be correct.

(Signed) A. S. Watson  
Lieut.

Navigator.



Hamm Emy

St Helena

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.P.E.	2.3	29.98	74	75	73		0	Small	0	0	0
1				"	2.3	29.97	73	74	72		"	"	0	"	"
2				"	2.3	29.97	73	73	72		"	"	0	"	"
3				"	2.3	29.96	73	73	71		"	"	0	"	"
4				"	2	29.97	73	73	71		"	"	0	"	"
5				"	2	29.97	73	73	72		"	"	0	"	"
6				"	2	29.99	73	73	72		"	"	0	"	"
7				"	2	30.00	73	73	72		bc	"	1	"	"
8				"	2	30.00	73	74	72		o/c	"	0	"	"
9				P.E.	2	30.01	74	75	73		bc	"	3	"	"
10				"	2.5	30.00	74	75	73		"	"	3	"	"
11				"	2	29.99	75	76	74		"	"	4	"	"
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Primer* during the preceding 24 hours

2100 "

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

1 tons 410 lbs.

Coal remaining on hand at Noon

108 " 22 "

P. M.															
1				P.E.	2	29.97	74	76	74		0	Small	0	0	0
2				P.P.E.	2	29.96	74	76	74		o/c	"	0	"	"
3				P.P.E.	2.3	29.95	74	76	74		0	"	0	"	"
4				P.P.E.	2.4	29.95	74	76	74		o/c	"	0	"	"
5				P.P.E.	2	29.96	74	76	74		0	"	0	"	"
6				P.E.	2	29.97	74	75	73		bc	"	1	"	"
7				"	2	29.98	74	75	73		0	"	0	"	"
8				"	2	30.00	73	74	72		o/c	"	0	"	"
9				"	2	30.02	73	74	72		"	"	0	"	"
10				"	2.3	30.02	73	74	72		"	"	0	"	"
11				"	2.3	30.02	73	74	72		"	"	0	"	"
Md.				"	2.3	30.02	73	74	72		"	"	0	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Pellis  
Monday January 7<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast. Drizzling rain entire watch. Light S.E. breeze.

(Signed) Samuel E. Remley

From 4 to 8 A.M. Overcast. Pleasant. Light breeze from S.E. and E. Drizzling rain first part of watch. Received outboard 2100 gallons of fresh water.

(Signed) James H. Cogswell

From 8 to Midnight, Cloudy, with occasional light shower. Light breeze from S.E. and E. with strong gust. At 9.15 inspected at quarter. Present. James Langitar acting for American Consul. Char. Fuller (S.P.) J. W. Elms (Ld.) John Farney (Sra) T. P. Poth (S.P.) J. W. Sammons (S.P.) John W. Dunn (Ld.) Jas. P. Hattery (Mach) James H. Gentry (S.P.) James Patton (L.C.) F. Gile (L.C.) W. D. Fadden (L.C.) Jas. O'Donnell (L.C.) James Hummer (Mach) absent from the ship without leave. By order of Commander, W. H. Horner (Ld.) was placed in solitary confinement, on bread and water, for profanity & obscenity.

(Signed) Charles B. T. Moore

From Midnight to 4 P.M. Overcast. Pleasant. Light breeze from S.E. & E. with occasional fresh gust. Light drizzling rain part of watch.

(Signed) James H. Cogswell

From 4 to 8 P.M. Overcast, with occasional shower of rain. Light breeze from S.E. and E. with fresh gust. English Steamship "Pomona" went to sea at 4.15.

(Signed) Charles B. T. Moore

From 8 to Midnight. Overcast. Pleasant. Light passing shower first part of watch. At 9. English Mail Steamship "Wanderer" came in from S.E. and anchored. Sent mail outboard.

(Signed) James H. Cogswell

Examined and found to be correct.

(Signed) Aka Halper

Navigator.



Steamer "Enterprise"

Dr Helena

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P. E.	2		30.00	73	74	72		bc	Cum. 1	1		
1				"	2		29.98	73	74	72		0	"	0	"	
2				"	3		29.97	73	74	72		"	"	0	"	
3				"	3		29.96	73	74	72		"	"	0	"	
4				"	1.2		29.98	73	73	71		"	"	0	"	
5				"	1.2		29.98	73	73	71		"	"	0	"	
6				"	1.2		30.00	73	73	71		"	"	0	"	
7				"	2.3		30.01	73	73	71		"	"	0	"	
8				"	2.4		30.02	73	73	72		"	"	0	"	
9				"	2.3		30.00	73	74	72		"	"	0	"	
10				"	2.3		30.00	73	75	73		"	"	0	"	
11				"	2.3		30.00	74	77	74		"	"	0	"	
Noon.				"	2.3		30.00	74	77	74		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 " 2012 "

P. M.				1.3			29.97	75	77	74		0	Cum. 1	0		
1				"	2		29.95	75	77	74		"	"	0	"	
2				"	2		29.94	75	77	74		"	"	0	"	
3				"	2		29.93	75	76	74		"	"	0	"	
4				"	2		29.92	74	76	74		"	"	0	"	
5				"	2.3		29.93	73	75	73		"	"	0	"	
6				"	2		29.94	73	74	73		"	"	0	"	
7				"	2.3		29.96	73	73	72		"	"	0	"	
8				"	2		29.97	73	73	72		"	"	1	"	
9				"	2		29.97	73	73	72		"	"	1	"	
10				"	2		29.97	73	73	72		"	"	1	"	
11				"	2.3		29.96	73	73	72		"	"	0	"	
Mid.				"	2.3		29.96	73	73	72		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Tuesday January 8<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast - Cool. Pleasant. Light breeze from S.E. Sailed Daniel, M. Donald (Ship Yacht) and M. W. Angus (P.M.) on board English Steamer "Harwich Castle" for passage to New York. At 3.15 the "Harwich Castle" stood out to sea.

(Signed) Charles F. T. Moore,

Ensign.

From 4 to 8 A.M. Cloudy. Cool. Light breeze from S.E. with occasional strong gusts. At 6.30 a French bark came in and anchored, an English full rigged ship stood off and on during entire watch.

(Signed) Clinton K. Curtis,

Ensign.

From 8 to 12 M. Overcast - Pleasant. Light breeze from S.E. and E. Engaged in painting ship outside. At 9.45 Edmund Court Martial convened for the trial of John L. King (P.M.) Adjourned at 11.45. Received on board in Constitution Dept. three piles of scattering timber. Ref order of Commander, J. V. Mahon (S. I. C.) was released from confinement.

(Signed) James K. Cogswell,

Ensign.

From 12 M. to 4 P.M. Cloudy. Pleasant. Moderate breeze from S. E. finished painting ship outside. American bark "Hocca A. Pick" came in and anchored.

(Signed) Clinton K. Curtis,

Ensign.

From 4 to 8 P.M. Overcast - Pleasant. Light breeze from S.E. and E. Henry Raymond (L. G. F.), James Fulton (L. G. F.), Geo. Brown (L. G. F.), James Philole (Ldr), James M. Gentry (L. G. F.) and E. W. Glue (Ldr) were brought on board, having been delivered up by the Police. Put an Officer on board the American bark "Hocca A. Pick."

(Signed) James K. Cogswell,

Ensign.

From 8 to Midnight. Cloudy. Cool. Wind light from S. E. and E. with strong gusts during last hour. Barometer steady.

(Signed) Clinton K. Curtis,

Ensign.

Examined and found to be correct.

(Signed) Alva Walker,

Ensign.

Navigator.



Hannu "Grey"

St Helena 3<sup>rd</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prev. of Clouds, by symbols.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.E.	1.3		29.95	73	73	72		0	Cumulus	0		
1				"	1.3		29.94	72	73	72		"	"	0	"	
2				"	1.3		29.92	72	73	72		"	"	0	"	
3				"	1.3		29.93	72	73	71		"	"	0	"	
4				"	1		29.95	72	73	72		bc	"	1	"	
5				P.E.	1		29.96	72	73	72		"	"	2	"	
6				"	1		29.97	71	73	72		"	"	2	"	
7				"	1.2		29.97	71	73	72		"	"	2	"	
8				"	1.2		29.97	71	73	72		"	"	2	"	
9				"	1.2		29.97	72	73	73		"	"	2	"	
10				P.E.	1.2		29.97	72	73	74		"	"	1	"	
11				"	1.2		29.97	73	76	74		"	"	1	"	
Noon.				"	1.2		29.97	73	76	74		"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 1762 "

P. M.				P.E.	2		29.96	74	76	74		bc	Cumulus	1		
				"	3		29.94	74	76	74		"	"	1	"	
3				"	2.3		29.92	74	76	74		"	"	1	"	
4				"	2.3		29.92	74	76	74		"	"	1	"	
5				"	1.2		29.92	74	76	74		"	"	1	"	
6				"	1.2		29.90	74	75	73		"	"	1	"	
7				"	1.2		29.90	74	74	72		"	"	1	"	
8				"	1.2		29.90	73	74	72		"	"	1	"	
9				"	2		29.91	73	74	72		"	"	2	"	
10				"	2		29.92	73	73	72		"	"	2	"	
11				"	2.3		29.93	73	73	72		"	"	5	"	
Mid.				"	2.3		29.93	73	73	72		"	"	5	"	

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander Winfield Scott Pellief  
Wednesday January 9<sup>th</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast and pleasant. Light breeze from S.W. and E.W.

(Signed) James K. Cogswell

Lieut.

From 4 to 8 A.M. Pleasant. Light S.E. air. Cum, Mist, clouds. Received in Pay Dept. 158 the fresh beef and 130 the vegetables. English brig came in and anchored. John W. Maguire (2 C. & F.) Fred. Porter (C. & Hold) and Michael Mangan (O. I.) were brought on board by the police, a reward having been offered for them.

(Signed) Samuel C. Lundy

Ensign.

From 8 to Midnight. Cloudy. Pleasant. Wind light from S.W. and W.S.W. Barometer steady. By order of Commander, released W. H. Hoerner (Ld.) from confinement. At 9.30 inspected at quarters.

(Signed) Clinton K. Curtis

Lieut.

From Midnight to 4 P.M. Cloudy. Cool. Pleasant. Light breeze, with gusts from S.E. An American bark and Dutch ship left the harbor. An English bark came in and anchored.

(Signed) Samuel C. Lundy

Ensign.

From 4 to 8 P.M. Cloudy. Pleasant. Light breeze from S.W. and E.W. American bark "Sabine" came in and anchored. Corp<sup>l</sup> Jones was brought on board by local police.

(Signed) Clinton K. Curtis

Lieut.

From 8 to Midnight. Partially clear. Pleasant. Light S.E. breeze. Cum, Mist, clouds. At 8.30 a vessel came in and anchored.

(Signed) Aea Harper

Lieut.

Examined and found to be correct.

(Signed) Aea Harper

Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prev. of Clear Sky, in fths.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				P.E.	1	29.93	73	73	73		bc	Cumulus	1	1	1
1				"	1	29.93	73	73	73		"	"	1	"	"
2				"	1	29.91	73	73	73		"	"	1	"	"
3				"	1	29.91	73	73	73		"	"	1	"	"
4				"	1	29.91	73	73	73		"	"	1	"	"
5				"	2	29.93	72	72	71		o/c	"	0	"	"
6				"	2	29.93	72	72	71		o/r	"	0	"	"
7				"	2	29.94	72	72	71		"	"	0	"	"
8				"	1.2	29.95	72	73	72		o/c	"	0	"	"
9				P.E.	1.3	29.96	73	74	72		bc	"	1	"	"
10				"	1.3	29.96	74	75	73		"	"	1	"	"
11				"	1.3	29.95	74	76	74		"	"	2	"	"
Noon.				"	1.3	29.94	74	76	74		"	"	2	"	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1800

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 1512

P. M.				"	2	29.94	75	76	74		bc	Cumulus	1	1	1
1				"	3	29.93	75	76	74		o	"	0	"	"
2				"	2	29.91	75	76	74		bc	"	2	"	"
3				"	2.4	29.90	75	76	74		o	"	0	"	"
4				P.E.	2.4	29.91	74	76	73		bc	"	1	"	"
5				"	2.4	29.92	74	75	73		o	"	1	"	"
6				"	2.4	29.93	73	75	72		o/c	"	0	"	"
7				"	2.4	29.94	72	74	72		o	"	0	"	"
8				"	2.4	29.96	72	74	72		bc	"	0	"	"
9				"	2.4	29.97	72	74	72		"	"	5	"	"
10				"	2.4	29.97	72	74	72		"	"	3	"	"
11				"	2.4	29.95	72	74	72		o	"	0	"	"
Mid.				"	2.4	29.95	72	74	72		o	"	0	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Schley  
Thursday January 10<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Pleasant - Wind light from S.E.  
Sun, Mist, clouds.

(Signed) Clinton K. Smith  
Lieut.

From 4 to 8 A.M. Breeze - Light drizzling rain - Light breeze from S.E.  
and E. Received on board 150 lbs of beef and 150 lbs of vegetables for crew.  
British ship "Wyle" came in and anchored.

(Signed) Charles F. T. Moore  
Ensign

From 8 to 11 A.M. Cloudy - Pleasant - Light S.E. breeze - Sun, Mist, clouds.  
At 9.15 inspected at quarters. An English ship came in and anchored.  
By order of Commanding Officer, the following punishment was  
assigned - John Hall (O.S.) Disrupt, solitary confinement on bread  
and water, J. V. Mason (O.S.) not going in boat when called away,  
three times in 24 hours, 12 hours extra duty - G. F. Owen (O.S.) block in  
hatch, 4 hours extra duty. The following Officers were detailed to  
by Commanding Officer to survey the hull, powder and cargo of American  
bark "Sabine" - Lieutenant Ara Walpole, C. K. Smith and Carpenter  
H. W. Richardson.

(Signed) Samuel C. Lundy  
Ensign

From 11 A.M. to 4 P.M. Breeze - Pleasant - Light breeze from S.E.

(Signed) Charles F. T. Moore  
Ensign

From 4 to 8 P.M. Cloudy with light falling shower, latter part of watch.  
Light breeze, with gusts, from S.E. Three English vessels left the harbor -  
sent a reward ashore for the following men about without leave, Joseph  
Gandy (Pay 40) Wm. Jackson (20) & Patrick D. Gau (6 & 6). P. D. Gau (6 & 6)  
and Thomas J. Roberts (0 & 2) returned on board 82 and 96 hours overtime  
respectively.

(Signed) Samuel C. Lundy  
Ensign

From 8 to Midnight - Cloudy - Cool - Pleasant - Light breeze from S.E. and  
E., with fresh gusts.

(Signed) Charles F. T. Moore  
Ensign

Examined and found to be correct.

(Signed) Ara Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"* *Dr Hilma* *3<sup>rd</sup>* Rate, *6* Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Wet Bulb.	Water at surface.					
A. M.				<i>SE</i>	<i>1.2</i>		<i>29.94</i>	<i>72</i>	<i>74</i>	<i>72</i>		<i>bc</i>	<i>Cumul</i>	<i>2</i>	<i>1</i>	
1				<i>"</i>	<i>1.2</i>		<i>29.94</i>	<i>72</i>	<i>74</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
2				<i>"</i>	<i>1.3</i>		<i>29.93</i>	<i>72</i>	<i>74</i>	<i>72</i>		<i>0</i>	<i>"</i>	<i>0</i>	<i>"</i>	
3				<i>"</i>	<i>2</i>		<i>29.92</i>	<i>72</i>	<i>74</i>	<i>72</i>		<i>bc</i>	<i>"</i>	<i>1</i>	<i>"</i>	
4				<i>SE</i>	<i>2</i>		<i>29.93</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>0</i>	<i>"</i>	<i>0</i>	<i>"</i>	
5				<i>"</i>	<i>2</i>		<i>29.94</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
6				<i>SE</i>	<i>2</i>		<i>29.94</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>o/c</i>	<i>"</i>	<i>0</i>	<i>"</i>	
7				<i>"</i>	<i>2</i>		<i>29.95</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
8				<i>"</i>	<i>2.4</i>		<i>29.95</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
9				<i>"</i>	<i>2.4</i>		<i>29.96</i>	<i>72</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
10				<i>"</i>	<i>2.4</i>		<i>29.97</i>	<i>73</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
11				<i>"</i>	<i>3</i>		<i>29.97</i>	<i>73</i>	<i>75</i>	<i>74</i>		<i>bc</i>	<i>"</i>	<i>2</i>	<i>"</i>	
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 1262 "

P. M.				<i>SE</i>	<i>2.3</i>		<i>29.95</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>bc</i>	<i>Cumul</i>	<i>2</i>	<i>1</i>	
1				<i>SE</i>	<i>2.3</i>		<i>29.94</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>	
2				<i>"</i>	<i>2.3</i>		<i>29.93</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>	
3				<i>SE</i>	<i>2.3</i>		<i>29.92</i>	<i>74</i>	<i>76</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>	
4				<i>SE</i>	<i>2.4</i>		<i>29.93</i>	<i>74</i>	<i>76</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
5				<i>"</i>	<i>2.4</i>		<i>29.94</i>	<i>74</i>	<i>75</i>	<i>73</i>		<i>bc</i>	<i>"</i>	<i>1</i>	<i>"</i>	
6				<i>"</i>	<i>2.4</i>		<i>29.94</i>	<i>73</i>	<i>74</i>	<i>73</i>		<i>bc</i>	<i>"</i>	<i>0</i>	<i>"</i>	
7				<i>"</i>	<i>2.4</i>		<i>29.95</i>	<i>73</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
8				<i>SE</i>	<i>2.5</i>		<i>29.94</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
9				<i>"</i>	<i>2.5</i>		<i>29.94</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
10				<i>"</i>	<i>2.5</i>		<i>29.94</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
11				<i>"</i>	<i>2.5</i>		<i>29.94</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
Md.				<i>"</i>	<i>2.5</i>		<i>29.94</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Peck  
Friday January 11<sup>th</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Pleasant. Light S.E. breeze. Sun, faint, clouds.

(Signed) Samuel C. Lundy

Ensign.

From 4 to 8 A.M. Breeze & pleasant. Light breeze from S.W. and E.

(Signed) James K. Cogswell

Lieut.

From 8 to Midnight, Breeze, with passing shower. Moderate breeze from S.E. At 9.15 inspected at quarter. Called all hands to Muster and read the sentence of the Summary Court Martial, in the case of John L. King (P.M.) Continued to be reduced to the rate of Seaman, and to extra police duty for three months.

(Signed) Charles J. T. Moore

Ensign.

From Midnight to 4 P.M. Cloudy & pleasant. Light breeze from S.W. and E. A.D. B. Mitchell (Ld.) James Gillespie (S.P.) James Lestrange (S. Smith) Walter Carter (P.E.F.) Henry Simpson (P.E.F.) Michael Hayes (P.E.F.) Ed. Hughes (L.E.F.) & Joseph Pany (P.E.F.) were brought on board, having been delivered up by the police.

(Signed) James K. Cogswell

Lieut.

From 4 to 8 P.M. Cloudy, with light passing shower. Light breeze from S.E. Received on board, the following Medical stores: viz 8 lb. Magnesia Sulph., 1 lb. Chloroform. 2 lb. Ether Sulphuric. 1 lb. Dr. Ferri Chlor., 2 lb. Asclepias Syriacus. 1 lb. Spt. Ether Nit. 1/2 lb. Ammonia Mur., 1 lb. Ammonia Aqua. 57 Turpentine Gum. 4 oz. Acid Hydro Chloric. 8 jbs. Alcohol.

(Signed) Charles J. T. Moore

Ensign.

From 8 to Midnight. Cloudy & pleasant. Light breeze, with frequent strong puff, from S.W. and E.

(Signed) James K. Cogswell

Lieut.

Examined and found to be correct.

(Signed) Asa Walpole

Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				E. S. E.	2.4	29.95	73	74	72		bc	bc	1		
1				"	2.4	29.95	73	74	72		"	"	5		
2				S. E.	2.4	29.96	72	74	72		o/c	"	0		
3				"	2.4	29.96	72	74	72		"	"	0		
4				"	2.3	29.97	72	72	71		o	"	0		
5				"	2.2	29.99	72	72	71		bc	"	1		
6				"	2.2	30.00	72	72	71		"	"	2		
7				E. S. E.	2.2	30.01	72	72	71		"	"	2		
8				S. E.	1.5	30.02	72	72	71		"	"	1		
9				"	1.5	30.03	72	73	72		o/c	"	0		
10				"	2.3	30.02	73	74	73		o	"	0		
11				"	2.3	30.00	73	74	73		"	"	0		
Noon.				"	2.3	30.00	73	74	73		"	"	0		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water *Provided* during the preceding 24 hours

1600 "

Water remaining on hand fit for use at Noon

2900 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 " 1012 "

P. M.				S.	2.3	29.98	75	76	74		bc	bc	1		
1				"	2.3	29.98	75	77	75		"	"	1		
2				S. E.	2.3	29.98	75	76	75		"	"	1		
3				"	2.3	29.97	74	76	74		"	"	1		
4				"	2.3	29.97	74	76	75		"	"	2		
5				"	2.3	29.98	75	75	73		"	"	3		
6				"	2.3	29.98	75	74	72		o/c	"	0		
7				"	2.3	29.99	72	74	72		"	"	0		
8				"	2.3	30.00	72	74	72		"	"	0		
9				"	2.3	30.00	72	74	72		bc	"	1		
10				"	2.3	30.00	72	74	72		bc	"	1		
11				"	2.3	30.00	72	74	72		bc	"	1		
Mid.				"	2.3	30.00	72	74	72		bc	"	1		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Schley  
Saturday January 12<sup>th</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy first part. Overcast latter part. Light passing showers. Light breeze, with gusts, from S.W. and E.W.

(Signed) Charles F. Moore

From 4 to 8 A.M. Cloudy. Light breeze from S.W. and E.W. Frequent light showers during watch. At 6.30 H.M. "Corwin" got underway and left the harbor.

(Signed) Clinton K. Gault

From 8 to Midnight Cloudy & pleasant. Moderate breeze from S.E. Passing showers. W. J. Howland (Boat) returned from liberty, 40 hours overtime, also Wm. Parker (Boat) 48 hours overtime. Heavy swell from E.W. setting into the harbor.

(Signed) James K. Cogswell

From Midnight to 4 P.M. Cloudy. Light breeze from S.W. and E.W. with strong gusts. Received on board 1600 gals. of water. An American Gasentine, an English Gasp, a French Gasp, and a Prussian Gasp came in and anchored.

(Signed) Clinton K. Gault

From 4 to 8 P.M. Overcast & pleasant. Light breeze from S.E. with strong gusts. Light passing showers.

(Signed) T. D. Griffin

From 8 to Midnight. Cloudy. Cool. Moderate breeze from S.W. and E.W. with strong gusts. Occasional light showers. American Gasentine "William C. Ott" got underway and left the harbor.

(Signed) Clinton K. Gault

Examined and found to be correct.

(Signed) Aea Walker

Navigator.



Herman Esq

Rate, 6 Guns, 1st

Dr Helena

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETRIC.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P.E.	2.4		29.98	72	75	72		bc	Cumuli	3	P	
1				"	2.4		29.96	72	75	72		"	"	5	"	
2				"	2.4		29.95	72	75	72		"	"	4	"	
3				"	2.4		29.95	72	75	72		o/c	"	0	"	
4				"	2.4		29.96	72	75	72		"	"	0	"	
5				"	2.4		29.98	71	75	72		"	"	0	"	
6				"	2.4		29.99	71	75	71		"	"	0	"	
7				"	2.4		30.00	71	75	71		"	"	0	"	
8				"	2.5		30.01	75	74	72		0	"	0	"	
9				"	1.5		30.03	74	75	73		bc	"	1	"	
10				"	1.5		30.02	74	76	74		"	"	1	"	
11				"	1.5		30.01	75	77	75		"	"	1	"	
Noon.				"	1.5							"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2600 "

Coal consumed during the preceding 24 hours

tons, 250 lbs.

Coal remaining on hand at Noon

107 " 762 "

P. M.				P.E.	2.4		30.00	75	77	75		bc	Cumuli	1	P	
1				"	2.4		29.98	75	77	75		"	"	1	"	
2				"	2.4		29.98	75	77	75		"	"	2	"	
3				"	2.4		29.97	75	77	75		"	"	2	"	
4				"	1.5		29.97	75	77	75		"	"	2	"	
5				"	1.5		29.97	75	75	75		"	"	2	"	
6				"	1.5		29.98	75	75	72		"	"	2	"	
7				"	1.5		29.98	75	75	72		bc/c	"	2	"	
8				"	1.5		29.98	75	75	72		bc	"	2	"	
9				"	1.5		29.99	74	75	72		"	"	2	"	
10				"	1.5		29.99	75	75	72		"	"	2	"	
11				"	1.5		29.99	75	75	72		"	"	2	"	
Mid.				"	1.5		29.99	75	75	72		bc/c	"	2	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commodore Winfield Scott Phelps*  
*Friday January 13<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Moderate breeze from S.E. Heavy swell setting into harbor, from N.W. Passing showen latter part of watch.

(Signed) T. D. Griffin

Middle Lieutenant.

From 4 to 8 A.M. Overcast. Passing showen. Cool. Light breeze, with gusts, from S.E. Two ships and a bark came in and anchored. Received in supply department, 158 lbs of fresh beef and 130 lbs of vegetables.

(Signed) Samuel C. Lundy

Ensign.

From 8 to Midnight. Cloudy. Moderate breeze from S.W. and E. with strong gusts. At 9.30 Commodore inspected ship and crew. Immediately after held divine service on quarter deck. An English full rigged ship came in and anchored. Philip Kinkade (Ship Cook) and T. Cornelly (Coxswain) absent without leave.

(Signed) Clinton K. Curtis

Lieut.

From Midnight to 4 P.M. Cloudy. Warm. Moderate S.E. breeze. Sun, faint, cloudy. An English bark came in and anchored. An English ship, two barks and a Swedish bark left the harbor.

(Signed) Samuel C. Lundy

Ensign.

From 4 to 8 P.M. Cloudy, with occasional light drizzling shower. Wind light, with strong gusts from S.E. A Dutch bark got under way and left the harbor.

(Signed) Clinton K. Curtis

Lieut.

From 8 to Midnight. Cloudy. Pleasant. Light S.E. breeze. Sun, faint, cloudy. Passing showen last hour.

(Signed) Samuel C. Lundy

Ensign.

Examined and found to be correct.

(Signed) Ada Walper

Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				<i>P.E.</i>	<i>2.4</i>	<i>29.97</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>bc</i>	<i>Clouds</i>	<i>1</i>	<i>5</i>	
1				"	<i>2.4</i>	<i>29.98</i>	<i>72</i>	<i>73</i>	<i>71</i>		"	"	<i>2</i>	"	
2				"	<i>2.4</i>	<i>29.99</i>	<i>72</i>	<i>73</i>	<i>71</i>		"	"	<i>2</i>	"	
3				"	<i>2.4</i>	<i>30.00</i>	<i>72</i>	<i>73</i>	<i>71</i>		"	"	<i>4</i>	"	
4				"	<i>2.4</i>	<i>30.00</i>	<i>72</i>	<i>73</i>	<i>71</i>		"	"	<i>5</i>	"	
5				"	<i>2.4</i>	<i>30.01</i>	<i>72</i>	<i>74</i>	<i>72</i>		"	"	<i>2</i>	"	
6				"	<i>2</i>	<i>30.01</i>	<i>73</i>	<i>74</i>	<i>72</i>		<i>0</i>	"	<i>0</i>	"	
7				"	<i>2</i>	<i>30.02</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>0</i>	"	
8				"	<i>2</i>	<i>30.03</i>	<i>73</i>	<i>74</i>	<i>72</i>		<i>bc</i>	"	<i>1</i>	"	
9				"	<i>2</i>	<i>30.04</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>1</i>	"	
10				"	<i>2</i>	<i>30.05</i>	<i>73</i>	<i>75</i>	<i>72</i>		"	"	<i>2</i>	"	
11				"	<i>2</i>	<i>30.02</i>	<i>74</i>	<i>75</i>	<i>74</i>		"	"	<i>4</i>	"	
Noon.				"	<i>2</i>										

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

250 lbs.

Coal remaining on hand at Noon

107 " 512 "

P. M.				<i>P.E.</i>	<i>2</i>	<i>30.00</i>	<i>75</i>	<i>77</i>	<i>74</i>		<i>bc</i>	<i>Clouds</i>	<i>5</i>	<i>5</i>	
1				"	<i>1</i>	<i>29.98</i>	<i>75</i>	<i>77</i>	<i>75</i>		"	"	<i>2</i>	"	
2				<i>H.W.</i>	<i>1</i>	<i>29.97</i>	<i>75</i>	<i>77</i>	<i>75</i>		"	"	<i>2</i>	"	
3				<i>H.W.</i>	<i>1</i>	<i>29.97</i>	<i>75</i>	<i>77</i>	<i>75</i>		"	"	<i>1</i>	"	
4				"	<i>0.1</i>	<i>29.99</i>	<i>75</i>	<i>76</i>	<i>75</i>		"	"	<i>3</i>	"	
5				<i>Calms</i>	<i>0</i>	<i>29.99</i>	<i>75</i>	<i>75</i>	<i>75</i>		"	"	<i>2</i>	"	
6				<i>H.</i>	<i>1</i>	<i>29.99</i>	<i>74</i>	<i>75</i>	<i>74</i>		"	"	<i>1</i>	"	
7				<i>P.E.</i>	<i>1</i>	<i>30.00</i>	<i>74</i>	<i>75</i>	<i>73</i>		"	"	<i>2</i>	"	
8				"	<i>1</i>	<i>30.01</i>	<i>74</i>	<i>75</i>	<i>73</i>		"	"	<i>1</i>	"	
9				"	<i>2</i>	<i>30.03</i>	<i>74</i>	<i>75</i>	<i>73</i>		"	"	<i>2</i>	"	
10				"	<i>2</i>	<i>30.02</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>4</i>	"	
11				"	<i>2</i>	<i>30.01</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>5</i>	"	
Mid.				"	<i>2</i>										

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Monday January 14<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M. Cloudy. Cool. Wind light from S.E. with strong gust. Barometer steady. (Signed) Clinton L. Curtis

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Light breeze from S.E. and E. (Signed) Charles F. T. Moore

From 8 to Noon. Cloudy. Cool. Pleasant. Light S.E. breeze. Calm, Wind, Clouds. At 9.15 exercised at general quarters. Time as follows. Galt lost in 5<sup>th</sup> 30<sup>th</sup>. Sunk in 4<sup>th</sup> 45<sup>th</sup>. James Brown (C.F.C.) absent without leave. (Signed) Samuel C. Lundy

From Noon to 4 P.M. Cloudy. Pleasant. Light variable air. James Brown (C.F.C.) was brought on board by police. James Brown (C.F.C.) was placed in double iron to await action of Commanding Officer. By order of Commanding Officer, for being disrespectful in language and deportment to his superior officer. (Signed) Charles F. T. Moore

From 4 to 8 P.M. Cloudy. Cool. Pleasant. Calm and light variable air. Four English Merchantmen got underway and stood to sea. At 6 minutes at quarters and fired out all hammocks. An English bark came in and anchored. John Hall (C.F.C.) was released from confinement by order of Commanding Officer. (Signed) Samuel C. Lundy

From 8 to Midnight. Cloudy. Cool. Pleasant. Moonlight. Light breeze from S.E. (Signed) Charles F. T. Moore

Examined and found to be correct.

(Signed) Ada Walper  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "Essex" 3<sup>rd</sup> Rate, 6 Guns,  
 Lt Helena

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Winds, by symbols.	Prep of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at 5 P.M.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				P. E.	2.3	30.01	74	73	72		bc	6	5		
1				"	2.3	30.00	74	73	72		"	"	5	"	
2				"	2.3	29.99	73	73	72		"	"	4	"	
3				"	2.3	29.97	73	73	72		"	"	4	"	
4				"	2	29.94	72	73	72		"	"	6	"	
5				"	1	29.94	74	73	72		"	"	7	"	
6				"	1	29.97	74	74	72		"	"	8	"	
7				"	1	30.00	74	75	73		"	"	8	"	
8				P.	2.4	30.00	74	76	74		"	"	5	"	
9				"	2.4	30.01	74	77	75		"	bc	3	"	
10				"	3	30.06	75	77	75		"	bc	4	"	
11				"	3	29.98	76	78	75		"	"	6	"	
Noon.															

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 " 262 "

P. M.															
1				P. E.	2.3	29.96	76	78	75		bc	6	6		
2				"	2.3	29.94	76	78	75		"	"	7	"	
3				"	2.3	29.93	76	78	75		"	"	8	"	
4				"	2.3	29.91	76	78	75		"	"	8	"	
5				"	2	29.90	76	77	75		"	"	5	"	
6				"	2	29.91	75	76	74		"	"	6	"	
7				P.	2	29.92	74	75	74		"	"	6	"	
8				"	2	29.94	74	74	72		"	"	8	"	
9				P. E.	2	29.95	73	74	72		"	"	8	"	
10				P. E.	2	29.95	73	74	72		"	"	6	"	
11				"	2	29.96	73	74	72		"	"	4	"	
Mid.				"	2	29.96	73	74	72		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



Commander Winifred Fort Peck  
 Tuesday January 15<sup>th</sup>

1878.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear Good. Light wind, with  
 gusts, from S.E. Bright Moonlight. (Signed) Samuel C. Leidy

From 4 to 8 A.M. Clear and pleasant. Light air from S.E. and E.  
 Spruce magnificent yards and forest sail. (Signed) James K. Cogswell

From 8 to 12 M. Cloudy - pleasant. Moderate breeze from S.E. At 9.15  
 inspected at quarters. Exercised at battalion drill. At 10.15 fueled  
 sail. The following punishment was ordered. H. C. Robinson (Ld) 12  
 hours extra duty. F. P. Marion (O.S.L.C.) 12 hours extra duty. And E. C.  
 Gasclay (O.S.L.C.) 12 hours extra duty. By order of Commanding Officer,  
 James Brown (C.F.C.) was released from confinement in double irons,  
 and placed in confinement in single irons to await trial by  
 Court Martial. (Signed) Charles B. T. Moore

From 12 M. to 4 P.M. Clear and pleasant. Moderate breeze from S.E.  
 and E. (Signed) James K. Cogswell

From 4 to 8 P.M. Clear and pleasant. Light breeze from S.E. and E.  
 At 4.30 English Steamer "Trenton" came in and anchored. Sent  
 Mail on board. An English tug came in and anchored. (Signed) Charles B. T. Moore

From 8 to Midnight. Cloudy and pleasant. Light breeze from  
 S.E. and E. English Mail Steamer "Trenton" left the harbor at 9.30. (Signed) James K. Cogswell

(Signed) Asa Walker



Hour.	Knots.	Fathoms.	Current set and strength.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Wind, by symbols.	Direction of Current, by symbols.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1				<i>S</i>	<i>2</i>	<i>29.95</i>	<i>73.74</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>bc</i>	<i>Cum</i>	<i>3</i>	<i>S</i>
2				<i>"</i>	<i>2</i>	<i>29.95</i>	<i>73.74</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
3				<i>"</i>	<i>1</i>	<i>29.94</i>	<i>73.74</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
4				<i>"</i>	<i>1</i>	<i>29.94</i>	<i>73.74</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>
5				<i>"</i>	<i>2</i>	<i>29.96</i>	<i>73.74</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>
6				<i>"</i>	<i>2</i>	<i>29.98</i>	<i>73.74</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>
7				<i>SE</i>	<i>2</i>	<i>29.98</i>	<i>73.75</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>
8				<i>"</i>	<i>2</i>	<i>29.98</i>	<i>74.75</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>73</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>
9				<i>E</i>	<i>2</i>	<i>30.01</i>	<i>74.76</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>
10				<i>"</i>	<i>2</i>	<i>30.02</i>	<i>74.76</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
11				<i>"</i>	<i>1.2</i>	<i>30.03</i>	<i>75.77</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>
Noon.				<i>SE</i>	<i>1.2</i>	<i>30.03</i>	<i>76.78</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots and per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand for use at Noon

1700 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

107 " 12 "

P. M.															
1				<i>SE</i>	<i>1.2</i>	<i>29.99</i>	<i>76.78</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>bc</i>	<i>Cum</i>	<i>7</i>	<i>S</i>
2				<i>"</i>	<i>1</i>	<i>29.97</i>	<i>76.79</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>
3				<i>"</i>	<i>1</i>	<i>29.95</i>	<i>76.79</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>
4				<i>"</i>	<i>1</i>	<i>29.94</i>	<i>76.79</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>76</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>
5				<i>"</i>	<i>1</i>	<i>29.94</i>	<i>76.79</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>
6				<i>"</i>	<i>1</i>	<i>29.96</i>	<i>76.77</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>
7				<i>"</i>	<i>2</i>	<i>29.97</i>	<i>74.76</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>
8				<i>"</i>	<i>1</i>	<i>29.98</i>	<i>74.75</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
9				<i>"</i>	<i>1</i>	<i>29.99</i>	<i>74.74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
10				<i>"</i>	<i>1</i>	<i>30.00</i>	<i>74.74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>
11				<i>"</i>	<i>1.2</i>	<i>30.00</i>	<i>74.74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>
Mid.				<i>"</i>	<i>1.2</i>	<i>30.00</i>	<i>74.74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>74</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

\*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Wednesday January 16<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M. Cloudy - Cool - Pleasant - Light breeze from S.E. Moonlight. By order of Commander, W. C. Robinson (Acting) stood four hours on quarter deck.

(Signed) Charles F. T. Moore

From 4 to 8 A.M. Cloudy - Pleasant - Light breeze from S.E. and E.S.E. An English full rigged ship got under way and left the harbor.

(Signed) Clinton K. Curtis

From 8 to Midnight, Cloudy - Pleasant - Light breeze from S.E. and E.S.E. At 9.15 inspected at quarters. Examined 1<sup>st</sup> and 2<sup>nd</sup> Div, at great guns, Middle Guard at small arms. Received in Pay Dept, 100 Tage bread and 100 lb soap.

(Signed) James K. Cogswell

From Midnight to 4 P.M. Clear - Pleasant - Warm - Light S.E. breeze. Received in Pay Dept, 10 Bk Beef, 15 Bk Pork, 2 Bk White Beans, 1 Bk Rice. 1 Cask Vinegar, 2 Casks Butter. Engaged in setting up bread stoves.

(Signed) Clinton K. Curtis

From 4 to 8 P.M. Cloudy - Pleasant - Light breeze from S.E.

(Signed) James K. Cogswell

From 8 to Midnight. Partially cloudy - Cool - Pleasant - Bright Moonlight. Light breeze from S.E. and E.S.E.

(Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Anna Walker

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 2.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>P.E.</i>	<i>2</i>		<i>29.99</i>	<i>73</i>	<i>74</i>	<i>71</i>		<i>bc</i>	<i>Cumuli</i>	<i>2</i>	<i>5</i>	
1				"	<i>2</i>		<i>29.97</i>	<i>73</i>	<i>74</i>	<i>71</i>		"	"	<i>3</i>	"	
2				"	<i>2</i>		<i>29.44</i>	<i>73</i>	<i>74</i>	<i>71</i>		"	"	<i>5</i>	"	
3				"	<i>2</i>		<i>29.95</i>	<i>73</i>	<i>74</i>	<i>71</i>		"	"	<i>5</i>	"	
4				"	<i>1.2</i>		<i>29.97</i>	<i>73</i>	<i>74</i>	<i>71</i>		"	"	<i>5</i>	"	
5				"	<i>1</i>		<i>29.99</i>	<i>73</i>	<i>74</i>	<i>71</i>		"	"	<i>5</i>	"	
6				<i>P.E.</i>	<i>2</i>		<i>30.01</i>	<i>73</i>	<i>74</i>	<i>73</i>		"	"	<i>5</i>	"	
7				"	<i>0.1</i>		<i>30.03</i>	<i>73</i>	<i>74</i>	<i>73</i>		"	"	<i>7</i>	"	
8				<i>S.</i>	<i>1.2</i>		<i>30.04</i>	<i>74</i>	<i>76</i>	<i>73</i>		"	"	<i>6</i>	"	
9				"	"		<i>30.04</i>	<i>76</i>	<i>77</i>	<i>73</i>		"	"	<i>4</i>	"	
10				"	"		<i>30.04</i>	<i>76</i>	<i>77</i>	<i>74</i>		"	"	<i>2</i>	"	
11				"	"		<i>30.03</i>	<i>77</i>	<i>78</i>	<i>75</i>		"	"	<i>3</i>	"	
Noon.				"	"							"	"			

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1400

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

106 2002

P. M.				<i>P.E.</i>	<i>1.2</i>		<i>30.03</i>	<i>77</i>	<i>78</i>	<i>75</i>		<i>bc</i>	<i>Cumuli</i>	<i>4</i>	<i>5</i>	
1				"	<i>1.2</i>		<i>30.02</i>	<i>77</i>	<i>78</i>	<i>74</i>		"	"	<i>5</i>	"	
2				"	<i>1.2</i>		<i>30.01</i>	<i>77</i>	<i>78</i>	<i>74</i>		"	"	<i>5</i>	"	
3				"	<i>1.2</i>		<i>30.00</i>	<i>76</i>	<i>77</i>	<i>74</i>		"	"	<i>3</i>	"	
4				"	<i>1.2</i>		<i>30.01</i>	<i>76</i>	<i>76</i>	<i>74</i>		"	"	<i>3</i>	"	
5				"	<i>1.2</i>		<i>29.99</i>	<i>76</i>	<i>76</i>	<i>74</i>		"	"	<i>3</i>	"	
6				"	<i>1.3</i>		<i>29.99</i>	<i>76</i>	<i>76</i>	<i>74</i>		"	"	<i>4</i>	"	
7				"	<i>1.3</i>		<i>30.00</i>	<i>75</i>	<i>76</i>	<i>73</i>		"	"	<i>6</i>	"	
8				"	<i>1.3</i>		<i>30.01</i>	<i>75</i>	<i>75</i>	<i>73</i>		"	"	<i>4</i>	"	
9				"	<i>1.3</i>		<i>30.02</i>	<i>75</i>	<i>75</i>	<i>73</i>		"	"	<i>4</i>	"	
10				"	<i>2.3</i>		<i>30.02</i>	<i>75</i>	<i>75</i>	<i>72</i>		"	"	<i>6</i>	"	
11				"	<i>2.3</i>		<i>30.02</i>	<i>74</i>	<i>74</i>	<i>72</i>		"	"	<i>6</i>	"	
Mid.				"								"	"			

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Thursday January 17<sup>th</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M. Clear and pleasant. Light breeze from S.E. Bright Moonlight.  
(Signed)

From 4 to 8 A.M. Clear. Warm. Some thin clouds. Light S.E. breeze. Received in Bay of St. 158 the fresh breeze and 130 the vegetation.  
(Signed) Samuel C. Lundy

From 8 to Midnight. Cloudy. Pleasant. Moderate breeze from S.E. and S.W. Cumulus clouds. Barometer steady.  
(Signed) Clinton L. Curtis

From Midnight to 4 P.M. Clear. Pleasant. Light S.E. breeze. Some thin clouds.  
(Signed) Samuel C. Lundy

From 4 to 8 P.M. Clear. Pleasant. Light breeze from S.E. and S.W. Some thin clouds.  
(Signed) Clinton L. Curtis

From 8 to Midnight. Clear. Pleasant. Bright Moonlight. Light S.E. breeze, with puff. Some thin clouds.  
(Signed) Samuel C. Lundy

Examined and found to be correct.

(Signed) Asa Walpole  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETEE.		TEMPERATURE.			State of the Weather by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1				<i>S.</i>	<i>1.2</i>	<i>29.99</i>	<i>74</i>	<i>74</i>	<i>73</i>		<i>0</i>	<i>Cum. fr. 0</i>	<i>0</i>	<i>0</i>	<i>S</i>
2				<i>"</i>	<i>1.2</i>	<i>29.97</i>	<i>74</i>	<i>74</i>	<i>73</i>		<i>0</i>	<i>"</i>	<i>0</i>	<i>"</i>	
3				<i>"</i>	<i>1.2</i>	<i>29.97</i>	<i>74</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
4				<i>S. S. W.</i>	<i>1.2</i>	<i>29.95</i>	<i>74</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
5				<i>W.</i>	<i>1</i>	<i>29.97</i>	<i>73</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
6				<i>S.</i>	<i>1</i>	<i>29.99</i>	<i>73</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
7				<i>"</i>	<i>1</i>	<i>29.99</i>	<i>73</i>	<i>74</i>	<i>73</i>		<i>bc</i>	<i>"</i>	<i>1</i>	<i>"</i>	
8				<i>"</i>	<i>2</i>	<i>29.98</i>	<i>74</i>	<i>75</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>	
9				<i>S. E.</i>	<i>1</i>	<i>29.97</i>	<i>74</i>	<i>76</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
10				<i>"</i>	<i>1.2</i>	<i>29.98</i>	<i>75</i>	<i>77</i>	<i>75</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
11				<i>"</i>	<i>1.5</i>	<i>29.99</i>	<i>76</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>6</i>	<i>"</i>	
Noon.				<i>"</i>	<i>1.5</i>	<i>29.99</i>	<i>76</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water *Pecuride* during the preceding 24 hours

1950 "

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

183 " 1551 "

P. M.															
1				<i>S.</i>	<i>2.4</i>	<i>29.97</i>	<i>76</i>	<i>79</i>	<i>76</i>		<i>bc</i>	<i>Cum. fr. 1</i>	<i>3</i>	<i>"</i>	<i>S</i>
2				<i>S. S. E.</i>	<i>2.4</i>	<i>29.95</i>	<i>76</i>	<i>79</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	
3				<i>S.</i>	<i>2.4</i>	<i>29.94</i>	<i>76</i>	<i>79</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
4				<i>"</i>	<i>2.4</i>	<i>29.93</i>	<i>76</i>	<i>78</i>	<i>76</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
5				<i>S. E.</i>	<i>2.4</i>	<i>29.94</i>	<i>75</i>	<i>76</i>	<i>74</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
6				<i>"</i>	<i>2.4</i>	<i>29.94</i>	<i>74</i>	<i>75</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
7				<i>"</i>	<i>2.4</i>	<i>29.98</i>	<i>74</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	
8				<i>"</i>	<i>2.4</i>	<i>29.97</i>	<i>76</i>	<i>74</i>	<i>73</i>		<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	
9				<i>S.</i>	<i>2.4</i>	<i>29.96</i>	<i>74</i>	<i>74</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>1</i>	<i>"</i>	
10				<i>"</i>	<i>2.4</i>	<i>29.97</i>	<i>74</i>	<i>75</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
11				<i>S. E.</i>	<i>2.4</i>	<i>29.99</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
Mid.				<i>S.</i>	<i>2.4</i>	<i>29.99</i>	<i>73</i>	<i>73</i>	<i>72</i>		<i>bc</i>	<i>"</i>	<i>1</i>	<i>"</i>	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



Commodore Winfield Scott Schley  
Friday January 18<sup>th</sup>

1878.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy, with occasional light showers. Wind light from S<sup>W</sup> and E<sup>W</sup>. Obscured moonlight. Barometer falling.

(Signed) Clinton K. Curtis

From 4 to 8 P.M. Cloudy, with light passing showers. Light variable air. Received on board 158 the fresh beef and 130 the vegetables for crew.

(Signed) Charles F. T. Moore

From 8 to Midnight. Cloudy. Warm. Light S.E. breeze. Some light clouds. At 9, commenced coaling. American bark Emma L. Partridge, Stockton Me. came in land anchored. Received in Day Dept. the following stores: 5000 lbs sugar, 250 lbs pickled <sup>fruit</sup> 1800 lbs of preserved beef, in Navigation Dept. 1950 gals. water and 110 gals. oil. The following were absent from the ship without leave: Ensign Farns Frady (Mach) Audun M. Garay (J. Mach) Leston Japen (J. Mach) James H. Hapitt (O. & L. G.) John J. Allen back (O. & L. G.) Thomas C. Felt (O. & L. G.) Nicholas Ryerch (O. & L. G.) Edward Moran (O. & L. G.) Michael Leary (O. & L. G.) Frank Gulphardt (O. & L. G.)

(Signed) Samuel C. Lundy

From Midnight to 4 P.M. Cloudy. Pleasant. Moderate breeze from S<sup>W</sup>. Engaged in coaling ship. Received 26 <sup>250</sup> tons of coal.

(Signed) Charles F. T. Moore

From 4 to 8 P.M. Cloudy. Good. Pleasant. Light S.E. breeze, with gusts. Some light clouds. Farns Frady (Mach), Michael Leary (O. & L. G.) and Frank Gulphardt (O. & L. G.) returned on board. An English bark got underway and left the harbor.

(Signed) Samuel C. Lundy

From 8 to Midnight. Cloudy. Good. Light breeze from S<sup>W</sup> with fresh gusts. Obscured moonlight.

(Signed) Charles F. T. Moore

(Signed) Ann Walker

Lieut.



## LOG of the UNITED STATES

*Steamer Essex* <sup>sol</sup> Rate, 6 Guns, *Pl. Helena*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>P.E.</i>	<i>1.4</i>	<i>29.98</i>	<i>72</i>	<i>72</i>	<i>71</i>		<i>o/c</i>	<i>Cum. Mist</i>	<i>0</i>	<i>0</i>	
1				"	<i>1.4</i>	<i>29.98</i>	<i>72</i>	<i>72</i>	<i>70</i>		<i>bc</i>	"	<i>2</i>	"	
2				"	<i>1.4</i>	<i>29.97</i>	<i>72</i>	<i>72</i>	<i>70</i>		"	"	<i>7</i>	"	
3				"	<i>1.4</i>	<i>29.96</i>	<i>72</i>	<i>72</i>	<i>70</i>		"	"	<i>9</i>	"	
4				"	<i>2</i>	<i>29.97</i>	<i>72</i>	<i>72</i>	<i>71</i>		"	"	<i>5</i>	"	
5				"	<i>1.2</i>	<i>29.98</i>	<i>72</i>	<i>73</i>	<i>72</i>		"	"	<i>0</i>	"	
6				"	<i>1.2</i>	<i>29.99</i>	<i>72</i>	<i>73</i>	<i>72</i>		<i>o/c</i>	"	<i>0</i>	"	
7				"	<i>1.2</i>	<i>30.00</i>	<i>72</i>	<i>73</i>	<i>72</i>		"	"	<i>0</i>	"	
8				<i>P.E.</i>	<i>2</i>	<i>29.99</i>	<i>72</i>	<i>74</i>	<i>72</i>		<i>0</i>	"	<i>2</i>	"	
9				"	<i>2</i>	<i>29.98</i>	<i>73</i>	<i>75</i>	<i>73</i>		<i>bc</i>	"	<i>3</i>	"	
10				"	<i>2.4</i>	<i>29.98</i>	<i>73</i>	<i>75</i>	<i>73</i>		"	"	<i>1</i>	"	
11				"	<i>2.4</i>	<i>29.99</i>	<i>74</i>	<i>74</i>	<i>74</i>		"	"	<i>2</i>	"	
Noon.				"	<i>2.4</i>	<i>29.99</i>	<i>74</i>	<i>74</i>	<i>74</i>		"	"	<i>2</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

500 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

133 " 1301 "

P. M.				<i>P.E.</i>	<i>2</i>	<i>29.97</i>	<i>74</i>	<i>76</i>	<i>74</i>		<i>bc</i>	<i>Cum. Mist</i>	<i>3</i>	<i>0</i>	
1				<i>P.E.</i>	<i>2.4</i>	<i>29.95</i>	<i>74</i>	<i>77</i>	<i>75</i>		"	"	<i>5</i>	"	
2				"	<i>2.4</i>	<i>29.93</i>	<i>74</i>	<i>77</i>	<i>75</i>		"	"	<i>6</i>	"	
3				<i>P.E.</i>	<i>2.4</i>	<i>29.93</i>	<i>75</i>	<i>77</i>	<i>76</i>		"	"	<i>4</i>	"	
4				"	<i>2.4</i>	<i>29.92</i>	<i>75</i>	<i>76</i>	<i>76</i>		<i>bc</i>	"	<i>3</i>	"	
5				"	<i>2</i>	<i>29.93</i>	<i>74</i>	<i>75</i>	<i>74</i>		<i>bc</i>	"	<i>4</i>	"	
6				"	<i>2</i>	<i>29.94</i>	<i>75</i>	<i>74</i>	<i>74</i>		"	"	<i>5</i>	"	
7				<i>P.E.</i>	<i>1.2</i>	<i>29.97</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>1</i>	"	
8				"	<i>1.2</i>	<i>29.98</i>	<i>73</i>	<i>74</i>	<i>72</i>		<i>0</i>	"	<i>0</i>	"	
9				"	<i>1.4</i>	<i>29.98</i>	<i>73</i>	<i>74</i>	<i>72</i>		<i>o/c</i>	"	<i>0</i>	"	
10				"	<i>1.4</i>	<i>29.97</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>0</i>	"	
11				"	<i>1.4</i>	<i>29.97</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>0</i>	"	
Mid.				"	<i>1.4</i>	<i>29.97</i>	<i>73</i>	<i>74</i>	<i>72</i>		"	"	<i>0</i>	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Pellay*, U. S. Navy,  
*Saturday January 19<sup>th</sup>*, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy, with passing showers first part of watch, clear latter part. Light breeze, with gusts, from S.E. A gale with head breeze carried away came in.  
(Signed) Samuel C. Leamy, Ensign.

From 4 to 8 A.M. Cloudy - Pleasant. Light breeze from S.E. Light passing showers.  
(Signed) James R. Cogswell, Lieut.

From 8 to Midn. Cloudy - Pleasant. Light breeze from S.E. with fresh gusts. Received in Day Dept. 1 Box of Soap, 49 lbs.  
(Signed) Charles G. T. Moore, Lieut.

From Midn. to 4 P.M. Cloudy - Pleasant. Light breeze from S.E. with fresh gusts.  
(Signed) James R. Cogswell, Lieut.

From 4 to 8 P.M. Cloudy - Pleasant. Light breeze from S.E. and E. Light passing showers first hour.  
(Signed) Charles G. T. Moore, Ensign.

From 8 to Midnight. Cloudy - Cool. Light breeze from S.E. and E. with fresh gusts. Passing showers latter part of watch. Bright Moonlight.  
(Signed) James R. Cogswell, Lieut.

Examined and found to be correct.

(Signed) Asa Walpole, Lieut.

Navigator.



*Thames* *Essex*

*St. Helena*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky in 10ths.	State of the Sea.	Board of the mill the vessel is under at end of watch.
				Direction.	Force.	Velocity.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				<i>P.E.</i>	2		29.97	73	74	72		<i>bc</i>	<i>Cum. f. 5</i>	<i>5</i>	<i>P</i>	
1				"	2		29.97	73	74	72		"	"	1	"	
2				"	2		29.96	73	74	72		"	"	4	"	
3				<i>P.E.</i>	2		29.95	73	74	72		0	"	0	"	
4				<i>P.</i>	2		29.97	73	73	71		"	"	0	"	
5				"	2		29.99	73	73	71		"	"	0	"	
6				"	1.2		30.01	73	73	71		<i>o/c</i>	"	0	"	
7				"	1.2		30.02	73	73	71		"	"	0	"	
8				<i>P.P.E.</i>	1.5		30.02	73	73	72		"	"	0	"	
9				"	1.3		30.01	73	74	73		0	"	0	"	
10				"	1.4		30.01	73	75	73		<i>o/c</i>	"	0	"	
11				"	1.3		30.00	74	76	74		<i>bc</i>	"	2	"	
Noon.																

Distance run by Log since proceeding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

133 " 1051 "

P. M.				<i>P.P.E.</i>	1.2		29.99	76	77	75		<i>bc</i>	<i>Cum. f. 2</i>	<i>2</i>	<i>P</i>	
1				"	1.2		29.98	76	78	75		"	"	4	"	
2				"	1.3		29.97	75	78	75		"	"	4	"	
3				"	1.3		29.96	75	78	75		"	"	4	"	
4				"	2.4		29.97	75	76	73		"	"	5	"	
5				"	2.4		29.97	74	75	72		"	"	5	"	
6				"	2.4		29.97	74	75	72		"	"	6	"	
7				"	2.4		29.97	74	75	72		"	"	6	"	
8				<i>P.E.</i>	1.2		29.98	74	74	72		"	"	7	"	
9				"	1.2		29.99	74	74	72		"	"	7	"	
10				"	1.2		29.99	74	74	72		"	"	4	"	
11				"	1.3		29.98	74	74	72		"	"	4	"	
Mid.																

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Schley*  
*Friday January 20<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Cool - Pleasant - Light breeze from S.W. and E.W. - Moonlight.  
(Signed) *Charles B. F. Moore* *Ensign.*

From 4 to 8 A.M. Cloudy - Passing showers last two hours - Light breeze from S.W. - Barometer steady.  
(Signed) *Clinton K. Curtis* *Lieut.*

From 8 to Midnight. Cloudy - Pleasant - Passing showers - Moderate breeze from S.W. and E.W. - At 9.40 inspected at quarter. Afterwards passages were read by Commander.  
(Signed) *James K. Cogswell* *Lieut.*

From Midnight to 4 P.M. Cloudy - Pleasant - Wind moderate from S.W. and E.W. - A bark and a Brigantine came in and anchored during watch. Hoisted to dingy's davits a boat belonging to the British bark "Dartmouth" straddling off and on, having been stove in lowering and being unable to reach the shore or regain the ship.  
(Signed) *Clinton K. Curtis* *Lieut.*

From 4 to 8 P.M. Cloudy and Pleasant - Moderate breeze from S.W. - Rising to wind.  
(Signed) *James K. Curtis* *Lieut.*

From 8 to Midnight. Cloudy - Cool - Light breeze from S.W. and E.W. with strong gusts last hour. Barometer steady.  
(Signed) *Clinton K. Curtis* *Lieut.*

Examined and found to be correct.

(Signed) *Ara Walker* *Lieut.*

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prevalence of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.				S.E.	1.2	29.99	72.72	70				bc	Cumuli	1	R
1				"	1.2	29.98	72.72	70				"	"	1	"
2				"	1.2	29.98	72.73	70				"	"	1	"
3				"	1.2	29.97	72.73	71				"	"	1	"
4				"	1.3	29.96	72.73	71				ofc	"	0	"
5				"	1.3	29.97	72.73	71				bc	"	0	"
6				"	1.3	29.98	72.73	71				ofc	"	0	"
7				"	1.3	30.00	73.73	72				bc	"	1	"
8				"	1.3	30.01	73.73	72				"	"	1	"
9				"	1.3	30.00	74.73	73				"	"	1	"
10				"	1.3	29.99	74.73	73				bc	"	1	"
11				"	1.3	29.99	74.73	73				bc	"	1	"
Noon.				"	1.3	29.99	74.73	73				bc	"	1	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

1400 "

Water remaining on hand fit for use at Noon

2900 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

133 " 901 "

P. M.															
1				S.E.	1.3	29.98	74.76	73				bc	Cumuli	3	R
2				"	1.3	29.97	74.76	74				"	"	4	"
3				"	2.4	29.96	74.77	74				"	"	6	"
4				"	2.4	29.95	75.77	75				"	"	6	"
5				"	1.2	29.95	75.77	75				"	"	4	"
6				"	1.2	29.95	75.76	74				"	"	2	"
7				"	1.2	29.95	75.75	73				bc	"	2	"
8				"	1.2	29.95	75.74	72				ofc	"	0	"
9				"	1.2	29.97	74.74	72				"	"	0	"
10				"	1.2	29.98	74.74	72				bc	"	1	"
11				"	1.3	29.99	75.74	72				"	"	1	"
Mid.				"	1.3	29.98	75.74	72				"	"	1	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Monday January 21<sup>st</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

- Commenced and until 4 P.M. Weather cloudy - Moderate breeze from S.W. - Squally -  
(Signed) James K. Cogswell  
Lieut.
- From 4 to 8 P.M. Overcast - Passing showers - Light breeze, with gusts, from S.E. Sun, faint, clouds -  
(Signed) Samuel C. Rensley  
Ensign
- From 8 to Midnight, Cloudy - Passing showers first three hours - Wind Moderate, with gusts, from S.W. and E. At 9.15 expired at general quarters -  
(Signed) Clinton K. Curtis  
Lieut.
- From Midnight to 4 P.M. Cloudy, Moderate breeze, with gusts, from S.E. Sun, faint, clouds - Pleasant - A large English Garp about a German Frigate came got underway and stood to sea - Garp "Edwin Fox" came and anchored -  
(Signed) Samuel C. Rensley  
Ensign
- From 4 to 8 P.M. Cloudy - Passing showers last two hours - Wind light from S.E. At midnight sent down to the gallant yards - Sent light sails and made preparations for sea - At 7.30 Royal Mail Steamer "Oriatic" came in and anchored -  
(Signed) Clinton K. Curtis  
Lieut.
- From 8 to Midnight - Cloudy - Passing showers - Wind light, with gusts, from S.E. Barometer steady -  
(Signed) W. J. Hammon  
Midshipman

Examined and found to be correct.

(Signed) Ada Walker  
Lieut.

Navigator.



Steamer *Envy*5<sup>th</sup> Rate, 6 Guns.

Dr. Helena &amp; At Sea

Hour.	Knots.	Fathoms.	Currents observed.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Therm. air.	Air Dry Bulb.	Air Wet Bulb.	Water on surface.				
A. M.				P.E.	1.3	29.97	72.7	71				bc	Cum	7	P
1				"	1.3	29.96	72.7	71				"	"	6	"
2				"	1.3	29.95	72.7	71				"	"	6	"
3				"	1.3	29.95	72.7	71				"	"	7	"
4				"	2.4	29.96	71.7	72				"	"	6	"
5				"	2.4	29.98	71.7	72				"	"	7	"
6				"	2.4	29.99	72.7	72				"	"	0	"
7				"	2.4	30.00	73.7	73				"	"	0	"
8				"	2.4	30.00	73.7	73				"	"	6	"
9			Standing out of	"	2.4	30.00	73.7	73				"	"	3	"
10			Sancti Spiritus, At Sea	"	2.4	30.00	73.7	73				"	"	4	"
11			2 0 W. by N.	"	2.4	30.00	73.7	73				"	"	4	"
Noon.	5	4	"	"	2.4	29.98	73.7	73				"	"	4	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

7 knots 4 fathoms.  
 15.58.00 P.  
 5.57.00 W.

250 gallons

4700 "

2 tons 2110 lbs.

180 931 "

P. M.													
1	5 2	W. 4 N.	P. E.	3	29.97	73	74	73	75	bc	Cum	4	R
2	5 0	"	"	3	29.96	73	74	73	75	"	"	3	"
3	5 2	"	"	3	29.95	73	74	73	75	"	"	6	"
4	3 0	"	P. E. by C.	3	29.95	73	75	73	75	"	"	7	"
5	Sounding	"	"	3	29.94	73	75	73	75	"	"	9	"
6	5 2	W. 4 N.	"	3	29.94	73	74	72	75	"	"	2	"
7	5 4	"	"	3	29.96	73	74	72	75	"	Cum	6	"
8	5 4	W. by N.	"	3	29.99	73	74	72	75	"	"	4	"
9	5 6	"	"	2.4	30.02	73	74	72	75	bc	Cum	5	"
10	6 4	"	"	4	30.02	73	75	72	75	bc	"	3	"
11	6 6	"	"	4	30.02	73	75	72	75	"	"	3	"
Mid.	7 0	"	"	4	30.02	73	75	72	75	"	"	3	"

All plain sail  
by W. by sail.

All plain sail  
by W. F. W. S. S.

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

All plain sail  
 & W. by N. sail.

All plain sail  
 & W. by N. sail.



under the command of

Commander Winfield Scott Kelley  
Tuesday January 22<sup>nd</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear - Pleasant - Light breeze, with gusts, from S.E. Bright moonlight. At 3, Royal Mail Steamer "Adriatic" left the harbor.

(Signed) Clinton K. Curtis Lieut.

From 4 to 8 A.M. Cloudy - Cool - Falling shower last two hours - Light breeze, with fresh gusts from S.E. Engaged in preparing for sea. At 5 started fire in four boilers.

(Signed) Charles J. F. Moore

Ensign.

From 8 to Noon, Cloudy - Warm - Moderate S.E. breeze - At 9, got underway. Draught forward 14 feet - Amidships 15 feet - Aft 16 feet. Governor of St. Helena came on board. At 9.42 stopped to get sounding - Got cast in 1223 fathoms, rocky bottom. At 10 crossed light yards. At 10.40 Governor's party left the ship. At 10.40 took departure - P.M. point true (true) S. by E. - Engage Lead E. by E. 1/2 E. & stood on our course W. 1/4 N. At 10.50 made sail to N.W. - Set for topmast stay sail. By order of the Commander, James Brown (C.F.C.) was released and placed a prisoner at large. At 11.15 stopped steaming, uncoupled and tanked fire. At 11.20, traced up & set all four & left sail. Five tanked in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy

Ensign.

From Noon to 4 P.M. Clear & pleasant, with moderate breeze from S.W. and E. - Got up, but & set W. by N. S. S. At 2.30 sprade fire & at 3.30 called all hands to work & fire sail for rounding.

(Signed) Charles J. F. Moore

Ensign.

From 4 to 6 P.M. Cloudy & pleasant - Moderate breeze from S. and E. - At 4.30 got soundings in 1906 fathoms water, bottom coral sand. At 5.10 made sail & stood on the course W. 1/4 N. Tanked fire in four boilers. Steam pressure 55 lbs.

(Signed) James L. Cogswell

Lieut.

From 6 to 8 P.M. Partially cloudy - Pleasant - Wind moderate from S. and E. - At 7, changed course to W. by N. Five tanked in four boilers. Steam pressure 25 lbs.

(Signed) Clinton K. Curtis

Lieut.

From 8 to Midnight - Cloudy - Falling shower first hour. Moderate breeze from S. and E. - Some light clouds. Observed moonlight. At 9.40 all on fire. Five tanked in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy

Ensign.

(Signed) Ada Walpus

Lieut.

Navigator.

Examined and found to be correct.



Steamer "Essex"

Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WIND.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	6 6		W. by N.	S. E. by E.	4	29.99	73.72	70.74	tc	6	7	7	7	7	W. T. M. P. S. and
2	6 0		"	"	4	29.98	73.72	70.74	tc	"	8	"	"	"	all plain sail
3	6 0		"	S. E.	4	29.98	73.72	70.74	or	6	7	7	7	"	except W. sail.
4	6 2		"	"	4	29.97	73.72	70.74	tc	6	7	7	7	"	"
5	6 4		"	"	5	29.98	72.72	71.74	of	"	0	"	"	"	"
6	4 6		"	E. by S.	2	29.98	72.72	71.74	o	"	0	"	"	"	"
7	3 0		"	"	2	30.00	72.72	71.74	tc	"	2	"	"	"	"
8	7 0		"	S. E.	3	30.01	72.72	71.74	"	"	1	"	"	"	"
9	6 0		"	S. E. by E.	3	30.04	73.74	71.74	"	"	1	"	"	"	"
10	5 4		"	"	3	30.04	73.75	72.74	"	"	1	"	"	"	All plain sail
11	Priming		"	"	3	30.03	74.76	73.74	"	"	2	"	"	"	except W. T. M. P. S.
Noon.	3 0		W. by N.	"	3	30.02	75.76	74.74	"	"	3	"	"	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

121 knots 4 fathoms.

16.31.20

7.58.00

16.29.00

8.02.00

24.35.00

350 gallons.

2400 "

1 tons 1470 lbs.

128 " 1701 "

P. M.													
1	5 6	W. by N.	S. E. by E.	3	30.01	74.76	73.75	tc	6	7	W. T. M. P. S. Main		
2	5 6	"	"	3	30.00	74.76	73.75	"	"	8	put sail by all		
3	5 0	"	"	3	29.99	74.75	72.75	"	"	8	plain sail except		
4	4 6	"	"	3	29.98	74.75	72.75	"	"	8	W. sail, F. T. M. P. S.		
5	4 6	"	"	3	29.99	74.75	73.75	"	"	1	and F. fit.		
6	4 4	"	"	3	29.99	74.75	73.75	"	"	2	"		
7	5 0	"	"	3	30.02	73.75	73.73	o	"	0	"		
8	5 0	"	"	3	30.02	73.74	73.73	"	"	0	"		
9	6 0	"	"	3	30.04	73.74	72.73	"	"	0	"		
10	6 0	"	"	3	30.04	73.74	72.75	"	"	0	"		
11	6 2	"	"	3	30.03	73.74	72.75	"	"	0	"		
Mid.	6 0	"	"	3	30.03	73.74	72.75	tc	"	1	"		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commodore Winfield Scott Phelps*  
*Wednesday January 23<sup>rd</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part, cloudy latter part of watch. Falling shower. Moonlight. Moderate breeze from S.E. and E. Fire tanked in four boilers.

(Signed) *Charles F. T. Moore* *Ensign.*

From 4 to 8 A.M. Cloudy & pleasant. Moderate breeze from S.E. and E. Falling shower. Long swell from S.E. Fire tanked in four boilers.

(Signed) *James K. Cogswell* *Ensign.*

From 8 to Noon. Partially cloudy. Pleasant. Wind moderate from S.E. and E. At 9.15 inspected at quarters. Spread fire, & at 9.50 cooped engine. At 9.55 called all hands "shorten & furl sail," took in and furlled all sail, except spanker & gaff topsail. At 10.11 got sounding in 2254 fathoms water, bottom coral sand. At 11.27 called all hands make sail, made all plain sail to topgall & stood off on corner. Ran fast fire.

(Signed) *Clinton K. Curtis* *Ensign.*

From Noon to 4 P.M. Clear. Warm. Moderate breeze from S.E. Cum. light clouds. At 1.15 hauled down fore topsail stay sail. At 2.30 set main topsail stay sail. Fire tanked in four boilers. Steam pressure 25 lb.

(Signed) *Samuel C. Rindley* *Ensign.*

From 4 to 6 P.M. Cloudy & pleasant. Moderate breeze from S.E. & E. Fire tanked in four boilers. Steam pressure 25 lb.

(Signed) *Charles F. T. Moore* *Ensign.*

From 6 to 8 P.M. Overcast & cool. Moderate breeze from S.E. & E. At 6.30 anchored at quarters. Fire tanked in four boilers. Steam pressure 25 lb.

(Signed) *James K. Cogswell* *Ensign.*

From 8 to Midnight. Cloudy. Cool. Moderate breeze from S.E. and E. Fire tanked in four boilers. Steam pressure 25 lb.

(Signed) *Clinton K. Curtis* *Ensign.*

Examined and found to be correct.

(Signed) *Ada Walker* *Ensign.*

Navigator.



Steamer "Essex"

At Sea 1<sup>st</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Free of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height.	Ther.	Air.	Water.					
A. M.															
1	5 6		W. by N.	P. E. 46	3	30.01	73	73	72	74	bc	Cum. 3			M. S. M. P. S. and
2	5 0		"	P. E.	2.3	29.99	73	73	72	74	"	"	3	"	all plain sail
3	4 6		"	"	2.3	30.00	73	73	72	74	"	"	3	"	except M. S. M. P. S. and
4	5 0		"	"	3	30.00	73	73	72	74	"	"	2	"	and F. T. M. S. S.
5	4 2		"	"	3	30.02	73	73	72	74	o/c	"	0	"	"
6	5 0		"	"	4	30.03	73	73	72	74	bc	"	1	"	with M. S. M. P. S. and
7	3 0		"	"	4	30.05	73	74	73	75	o/c	"	0	"	gaff not sail.
8	Founding		"	"	3	30.06	73	75	74	75	bc	"	2	"	"
9	4 0		W. by N.	"	3	30.07	73	75	73	75	"	"	2	"	"
10	5 6		"	"	3	30.07	73	76	74	75	"	"	1	"	"
11	5 4		"	"	3	30.06	74	76	74	76	"	Si Cum	7	"	"
Noon.	6 0		"	"	3	30.05	74	76	74	76	"	"	18	"	"

Distance run, by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 4 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

119 knots 0 fathoms.  
 16. 58.00. S.  
 10. 03.00. W.  
 16. 57.30. S.  
 10. 14.45. W.

24. 15.00. W.  
 300 gallons.

2100 "

1 tons 1970 lbs.

126 1971 "

P. M.																
1	5 0	H. 4 H.	P. E. 46	2.3	30.05	75	77	75	76	bc	Cum	7	L	All plain sail		
2	5 0	"	"	2.3	30.02	74	76	74	76	"	"	5	"	except M. S. M. P. S.		
3	5 2	"	"	2.3	30.02	74	76	74	76	"	"	3	"	"		
4	5 0	"	"	2.3	30.02	73	75	73	76	"	"	6	"	"		
5	4 6	"	"	3	30.02	73	75	73	76	"	Si Cum	6	"	"		
6	5 4	"	"	3.5	30.03	73	74	72	76	bc	Cum	6	"	"		
7	5 2	"	"	4	30.05	73	74	72	76	bc	"	5	"	with M. S. M. P. S.		
8	6 4	"	"	4	30.05	74	74	72	76	"	"	4	"	"		
9	6 6	"	P. E.	3.4	30.07	74	74	73	76	"	"	7	"	"		
10	6 0	"	"	3.4	30.09	74	74	73	76	"	"	2	"	"		
11	6 4	"	"	4.5	30.08	74	74	73	75	"	"	1	"	"		
Mid.	7 0	"	"	5	30.06	74	74	73	75	"	"	5	"	"		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Schley*  
*Thursday January 24<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Cool. Pleasant. Light S.E. breeze. In, cum, clouds. Observed moonlight. Five fathoms in four trials. Steam pressure 15 lbs.

(Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Cloudy. Cool. Falling shower. Moderate breeze from S.E. At 4.40 took in Main top sail. At 6.45 took in and furled all sail. At 6.55 commenced sounding. At 7.24 got bottom at 2333 fathoms water, bottom gray mud. Five in four trials.

(Signed) Charles F. T. Moore Ensign.

From 8 to Midnight, Cloudy & pleasant. First part clear latter part of watch. Moderate breeze from S.E. At 8.50 made all plain sail and stood on corner. At 9.50 inspected at quarters. Specified Companies A. and F. at single steps. Towed five in four trials. Steam pressure 25 lbs.

(Signed) James K. Cogswell Ensign.

From Midnight to 4 P.M. Partially cloudy. Pleasant. Moderate breeze from S.E. & E. Five fathoms in four trials. Steam pressure 25 lbs. Discharging.

(Signed) Clinton K. Curtis Ensign.

From 4 to 6 P.M. Clear. Pleasant. Moderate S.E. breeze. In, cum, clouds. Pains squalls last hour. At 5.45 hauled down M.I.W. S. S. Five fathoms in four trials. Steam pressure 25 lbs. Discharging.

(Signed) Samuel C. Lundy Ensign.

From 6 to 8 P.M. Cloudy. Pleasant. Moderate breeze from S.E. & E. At 6.45 set M.I.W. S. S. At sunset mustered at quarters. Five fathoms in four trials. Steam pressure 25 lbs. Discharging.

(Signed) Charles F. T. Moore Ensign.

From 8 to Midnight. Cloudy & pleasant. Moderate breeze from S.E. Falling shower. Long swell from S.E. Moon rose at 10.50. Five fathoms in four trials. Steam pressure 25 lbs. Discharging.

(Signed) James K. Cogswell Ensign.

Examined and found to be correct.

(Signed) Alex Walker Ensign.

Navigator.



Steamer "Grey"

At Sea 3<sup>rd</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WIND.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Current, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 4	W. by N.	S. E. by E.		3		30.01	74.75	74.75			bc	6	1	R	All plain sail
2	3 2	"	"		3		30.02	73.75	74.75			"	"	1	"	At Royal, with
3	Soundings	"	"		3		30.00	73.74	73.75			"	"	1	"	W. T. W. S. S.
4	4 4	W. by N.	"		3		30.00	73.74	72.75			"	"	1	"	"
5	5 2	"	"		3		30.04	73.74	72.75			"	"	1	"	"
6	5 2	"	"		4		30.08	73.74	73.75			bc	"	1	"	"
7	4 4	"	"		2.5		30.09	73.74	74.75			bc	"	3	"	"
8	3 6	"	E. S. E.		2.5		30.10	74.75	74.75			"	"	2	"	"
9	4 0	"	"		3		30.10	74.76	74.75			"	"	4	"	Except W. T. W. S. S.
10	3 4	"	"		3		30.10	75.76	74.75			"	"	5	"	"
11	3 4	"	"		3		30.09	75.76	74.75			"	"	3	"	"
Noon.	3 6	"	"		4		30.08	75.78	76.75			"	"	9	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time Knots 4 fms. per hour, setting to the N. by E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 5 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

1.17 knots 2 fathoms.  
 17. 25. 54 S.  
 12. 18. 45 W.  
 17. 23. 42 S.  
 12. 24. 30 W.

24. 05. 11 W.

500 gallons.

500 "

2000 "

3 tons 3 30 lbs.

123 " 1641 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Barometer.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather.	Force of Clouds.	Direction of Current.	State of the Sea.	Record of the sail.
1	3 4	W. by N.	S. E. by E.		3		30.06	74.78	76.75			bc	6	1	R	All plain sail
2	4 0	"	"		3		30.04	74.76	75.75			"	"	9	"	Except W. T. W. S. S.
3	4 6	"	S. E.		3		30.04	74.76	74.76			bc	6	1	R	and W. T. W. S. S.
4	5 0	"	"		3		30.05	75.76	74.76			bc	"	7	"	"
5	5 0	"	"		3		30.04	75.76	74.76			"	"	15	"	"
6	5 4	"	"		3		30.05	75.76	74.76			"	"	3	"	"
7	6 0	"	"		4		30.06	75.76	74.76			"	"	4	"	"
8	6 4	"	"		4		30.07	75.76	74.76			"	"	7	"	"
9	7 0	"	"		4		30.06	75.75	73.76			"	"	11	"	"
10	6 6	"	"		4		30.08	75.75	73.76			"	"	0	"	"
11	4 4	"	S. E. by E.		4		30.08	75.75	73.76			o	"	0	"	"
Mid.	Soundings	"	"		4		30.09	75.75	73.76			o 1/2	"	0	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Schley  
Friday January 25<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Good. Moderate breeze from S.W. & E.S. At 1.35 stop in and furl'd sail and started steaming. At 4.52 got commencing in 1969 fathoms water, bottom coral sand. At 5.17 made sail to fore and furl'd fore. Steam pressure 50 lbs.

(Signed) Clinton K. Curtis

From 4 to 8 A.M. Cloudy - Pleasant. Light E.S.E. breeze. At 6, squared away & stop in spanker, gaff topsail, M. top sail & M.T.M.P.S. Fine furl'd in fore triles. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy

From 8 to Noon. Clear & pleasant. Passing through thick haze. Light breeze from E.S.E. At 9, set 7.5 ft. M.T.M.P.S. M. top sail & spanker. At 10 stop in M.T.M.P.S. At 10.40 stop in M. top sail. At 9.15 arrived at fire quarter. Time. First steam 30.2. Engine steam 45.2. Third steam 1.30.2. Second. Powder & Navigation Dir, 55.2. 2<sup>nd</sup> Dir, 1.15.2. 1<sup>st</sup> Dir, 1.20.2. Engine Dir, 1.55.2. Special Board of Survey condemned 6 Bth Port. 2 Bth Port & 4 or 5 lbs. Powder. Throw overboard 2 1/2 bags of trash to be turned into stove. Fine furl'd in fore triles. Steam pressure 25 lbs. Distilling.

(Signed) Charles J. T. Moore

From Noon to 4 P.M. Cloudy & pleasant. Moderate breeze from S.W. and E.S. Passing through. Specified at torpedo drill. Fine furl'd in fore triles. Steam pressure 25 lbs. Distilling.

(Signed) Samuel K. Cogswell

From 4 to 6 P.M. Partially cloudy - Pleasant. Moderate breeze from S.W. and E.S. Fine furl'd in fore triles. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

From 6 to 8 P.M. Cloudy - Pleasant. Moderate S.E. breeze. Some light clouds. Stop'd distilling at 6.30. Fine furl'd in fore triles. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy

From 8 to Midnight. Cloudy & pleasant first part. Passing through thick haze. Moderate breeze from S.W. At 10.30 stop in and furl'd light sails & fore sail. At 10.45 stop in & furl'd topsails. At 11.20 commenced commencing. At 11.36 got bottom at 1097 fathoms, bottom coral sand & mud. Fine furl'd in fore triles.

(Signed) Charles J. T. Moore

Examined and found to be correct.

(Signed) Alva Watson

Navigator.



Hannu "Essex"

Rate, 6 Guns,

Hour	Knots	Fathoms	Course steered	WINDS		Leeway	BAROMETRE					State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction	Force		Height in inches	Ther. air	Air Dry Bulb	Air Wet Bulb	Water at surface					
A. M.																
1	5 4	H. 4 M.	P. E.	4.5	30.07	74.75	74.76	tc	Cloudy	7 L						
2	7 6	"	P. E.	4.5	30.05	74.75	72.76	"	"	16	"					
3	7 4	"	"	5	30.03	74.75	72.76	"	"	2	"					
4	7 2	"	P. E.	5	30.05	74.75	72.76	"	"	2	"					
5	7 0	"	"	3.4	30.05	74.75	72.76	"	"	1	"					
6	6 4	"	"	3.4	30.06	74.76	72.76	"	"	1	"					
7	7 0	"	"	3.4	30.10	75.76	74.76	0	"	0	"					
8	7 4	"	"	3.4	30.09	75.76	73.76	"	"	0	"					
9	7 4	"	"	4	30.08	76.77	73.76	tc	Cloudy	8	"					
10	6 0	"	"	3	30.09	76.78	74.76	"	"	7	"					
11	6 0	"	"	3	30.07	77.78	76.76	"	"	5	"					
Noon	6 2	"	"	3	30.05	78.78	78.76	"	"	7	"					

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

139 knots 2 fathoms.  
 17. 57. 12. S.  
 14. 45. 00. W.  
 17. 52. 30. S.  
 14. 53. 15. W.

24. 30. 00. W.

300 gallons.

500 "

2200 "

2 tons 830 lbs.

121 " 811 "

P. M.	Knots	Fathoms	Course steered	Direction	Force	Barometre	Ther. air	Air Dry Bulb	Air Wet Bulb	Water at surface	State of the Weather	Force of Clouds	Prep. of Clear Sky	State of the Sea	Direction of the wind
1	5 4	H. 4 M.	P. E.	4	30.04	78.82	79.76	Cloudy	tc	4 L					
2	5 4	"	"	4	30.01	79.76	77.76	"	"	9	"				
3	6 0	"	"	4	29.99	79.76	77.76	"	"	9	"				
4	3 0	"	"	3	29.99	79.77	77.76	Cloudy	"	9	"				
5	1 0	"	"	3	29.99	78.76	76.77	"	"	9	"				
6	5 0	"	"	3	30.00	78.76	75.77	"	"	8	"				
7	5 4	"	P. E.	3	30.04	77.75	75.77	"	"	6	"				
8	5 4	"	"	3	30.05	77.75	75.77	"	"	4	"				
9	6 4	"	"	4	30.08	76.76	74.77	"	"	7	"				
10	6 6	"	"	4	30.08	76.76	74.77	Cloudy	"	4	"				
11	6 6	"	"	4	30.07	76.76	74.77	"	"	5	"				
Mid.	7 0	"	"	4	30.06	76.76	74.77	Cloudy	"	6	"				

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Saturday January 26<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy & pleasant. Fresh breeze from S.W. & E.  
Moonlight. At 2.30 made sail and stood on course. Tacked five in four  
trials. Steam pressure 25 lbs.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy - Pleasant. Moderate breeze from S.E. Barometer  
rising. Five tacked in four trials. Steam pressure.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Clear. Warm. Fresh S.E. breeze. Sea calm, clouds. At 8.45  
hauled down M. T. M. S. S. & F. fit. At 11.10 hoisted in M. T. sail. Five tacked  
in four trials. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy  
Ensign.

From Midnight to 4 P.M. Clear. Warm. Moderate breeze from S.E. & E. At 3.30  
called all hands, hoisted & furled sail. At 3.45 commenced sounding.  
Five in four trials. Steam pressure 20 lbs.

(Signed) Charles J. T. Moore

From 4 to 6 P.M. Clear & pleasant. Moderate breeze from S.E. & E. At 4.30  
got cast in 1365 fathoms water, bottom fine sand & shells. Tugs, at bottom  
37°. At 650 fathoms 38° 5'. At 4.50 made all plain sail. Five  
tacked in four trials. Steam pressure 25 lbs.

(Signed) James K. Cogswell  
Lieut.

From 6 to 8 P.M. Cloudy - Pleasant. Moderate breeze from S.E. Five tacked  
in four trials. Steam pressure 25 lbs.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Partially cloudy. Pleasant. Fresh S.E. breeze. Sea  
light, calm. At 11.40 hauled down & stowed flying fit. Five tacked  
in four trials. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy  
Ensign.

Examined and found to be correct.

(Signed) Aea Walper  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Currents observed.	WIND.		Barometer.	TEMPERATURE.					State of the Weather, by symbols.	Force of Clouds, by symbols.	Prevalence of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 0	H. 4 H.	S. E.	4	30.05	75	76	75	77	6	6	2	2	2	2	All plain sail
2	6 6	"	"	4	30.04	75	76	75	77	0	"	0	"	0	"	Except F. T. M. S. S.
3	6 6	"	"	3	30.03	75	76	75	77	6	"	2	"	2	"	and F. fit.
4	6 4	"	"	4	30.03	75	77	75	77	"	"	2	"	2	"	"
5	5 6	"	"	3	30.03	76	77	75	76	"	"	7	"	7	"	"
6	5 4	"	"	3	30.05	76	77	75	76	"	"	16	"	16	"	"
7	5 6	"	"	3	30.06	76	77	75	76	"	"	7	"	7	"	"
8	4 6	"	"	3	30.06	76	78	76	76	"	"	7	"	7	"	"
9	4 0	"	"	2	30.05	77	79	77	76	"	"	7	"	7	"	All plain sail
10	2 0	"	"	2	30.05	78	79	78	78	"	"	7	"	7	"	Except W. sail and
11	Founding	"	"	2	30.05	79	79	80	78	"	"	7	"	7	"	fit, with F. T. M. S. S.
Noon.	3 4	H. 4 H.	"	2	30.05	80	79	80	78	"	"	5	"	5	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

122 knots 2 fathoms.

18.22.12 S.

16.58.00 W.

18.17.00 S.

17.02.30 W.

22.45.00 W.

300 gallons.

150 "

1900 "

2 tons 2150 lbs.

118 " 901 "

P. M.		H. by H.	G. by H.										
1	3 0	H. 3/4 H.	G. 4 H.	2	30.04	79	83	80	78	6	6	5	Main stay sail
2	3 6	"	G. 6	2	30.02	77	81	78	78	"	"	5	all plain sail
3	4 0	"	"	2	30.00	77	79	77	78	"	"	7	with H. F. M. S. S.
4	5 0	"	"	2	30.00	77	79	77	78	"	"	6	"
5	4 6	"	"	3	30.01	77	78	76	78	"	"	8	"
6	4 6	"	"	3	30.02	77	78	76	78	"	"	8	"
7	2 4	"	"	3	30.02	77	78	76	78	"	"	8	"
8	1 0	"	"	3	30.06	76	78	76	78	"	"	9	"
9	3 0	"	"	2	30.08	76	78	76	78	"	"	8	"
10	4 0	"	"	2	30.08	76	78	76	78	"	"	8	"
11	3 4	"	"	2	30.07	76	77	76	78	"	"	7	Except H. fit.
Mid.	3 6	"	"	2	30.05	76	77	76	78	"	"	5	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Schley  
Sunday January 27<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Pleasant. Moderate breeze from S.E. Observed Moonlight. At 3.35 hauled down M.T.M.S.S. Fine tanked in four boilers. Steam pressure 25 lbs.

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 A.M. Clear & pleasant. Moderate breeze from S.E. and E.S.E. Long swell from S.E. Fine tanked in four boilers. Steam pressure 25 lbs.

(Signed) James K. Cogswell

Limit.

From 8 to 11 A.M. Clear & pleasant. Light breeze from S.E. and E.S.E. At 8.30 Masted fine & completely full. At 9.30 took in and furled sail, and got rounding in 2048 fathoms water, rocky bottom. At 11.10 made sail & stood off to corner. At 11.30 tanked fine. Steam pressure 50 lbs. Distilling.

(Signed) Clinton K. Cortis

Limit.

From 11 A.M. to 4 P.M. Clear. Warm. Light S.E. breeze. At 1.30 at anchor, gaff spread, fit & fit & M.T.M.S.S. Fine tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy

Ensign.

From 4 to 6 P.M. Clear & pleasant. Moderate breeze from S.E. Fine tanked in four boilers. Steam pressure. Distilling.

(Signed) Charles F. T. Moore

Ensign.

From 6 to 8 P.M. Clear & pleasant. Moderate breeze from S.E. At 6.30 Masted & furled all sail. At 7 took a rounding in 2219 fathoms water, bottom coral sand & mud. Kelp, at bottom 35° 5'. At 8 tanked fine at 8.

(Signed) James K. Cogswell

Limit.

From 8 to Midnight. Clear & pleasant. Just three hours, cloudy last hour. Light breeze from S.E. Fine tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Cortis

Limit.

Examined and found to be correct.

(Signed) Ora Walker

Limit.

Navigator.



Steamer "Essex"

Rate, 6 Guns,

At Sea

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.														
1	4 4	H. 3/4 H.	P. E.		2.3	30.03	77	76	74	77	bc	Cir Cum	3 L	All plain sail
2	6 0	"	"	"	3.4	30.02	75	76	74	77	"	"	6	except F. T. M. S. S.
3	6 0	"	"	"	3.4	30.01	75	76	74	77	"	"	7	"
4	6 0	"	"	"	3.4	30.02	75	76	75	77	"	"	4	"
5	6 6	"	"	"	4	30.02	75	77	75	77	"	Cum	5	"
6	6 4	"	"	"	2.5	30.04	74	75	74	77	bc	"	1	"
7	4 4	"	"	"	2	30.04	74	74	74	77	bc	"	0	"
8	4 6	"	"	"	3	30.06	75	77	75	77	bc	"	6	"
9	5 4	"	"	"	3	30.05	76	78	76	77	bc	"	5	"
10	5 6	"	"	"	3	30.06	76	78	76	77	"	"	7	"
11	6 0	"	"	"	4	30.06	76	78	76	77	"	Cir Cum	7	"
Noon.	5 6	"	"	"	3	30.05	77	79	77	78	"	"	7	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the S. by E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

112 knots 0 fathoms.

18.40.30 S.

18.57.30 W.

18.45.30 S.

19.05.15 W.

19.45.00 W.

300 gallons.

700 "

2300 "

2 tons 270 lbs.

116 " 630 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	5 0	H. 3/4 H.	P. E.		2.3	30.04	78	80	77	78	bc	Cir Cum	7 L	All plain sail
2	5 0	"	"	"	2.3	30.02	78	79	77	78	"	"	5	except F. T. M. S. S.
3	5 0	"	"	"	2.3	30.02	78	79	77	78	"	"	4	"
4	Sounding	"	"	"	2.3	30.01	78	80	78	78	"	"	5	"
5	Sounding	"	"	"	3	30.01	78	80	78	79	"	"	6	"
6	6 0	H. 3/4 H.	"	"	3	30.02	77	79	77	79	"	"	6	"
7	6 0	"	"	"	3	30.05	77	78	77	79	"	"	7	"
8	5 6	"	"	"	3	30.07	77	78	77	79	"	"	8	"
9	5 6	"	"	"	3	30.07	77	78	76	78	"	Cum	9	"
10	6 0	"	"	"	3	30.07	76	78	76	77	"	"	8	Except F. T. M. S. S.
11	5 4	"	"	"	3	30.07	76	78	76	76	"	"	7	"
Mid.	6 0	"	"	"	3	30.07	76	78	76	76	"	"	7	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Riley*  
*Monday January 28<sup>th</sup>*

, U. S. Navy,  
1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commenced and until 4 A.M. Clear - Pleasant - Moderate - S.E. breeze -*  
*in four boilers - Steam pressure 25 lbs. Distilling -*  
*(Signed) Samuel C. Lundy* *Ensign*

*From 4 to 8 A.M. Cloudy - Slightly fresh - Passing showers - Light*  
*to moderate breeze from S.E. At 5.10 stop in rigging & flying jib - At*  
*6.15 set rigging & flying jib - Time tanked in four boilers - Steam*  
*pressure 25 lbs. Distilling -*  
*(Signed) Charles F. T. Moore* *Ensign*

*From 8 to 11 A.M. Clear & pleasant - Moderate breeze from S.E. and E.S.E.*  
*At 9.15 exercised at general quarters. Time casting over 4 in. Dismantled in*  
*5 m. 30 s. By order of Commander the following punishments were assigned,*  
*F. L. Handley (O.P. & C.) 12 hours extra duty for disobedience of orders & mistaking*  
*orders, Robinson, 12 hours extra duty for being asleep on lookout at life*  
*boat - Stoppered distiller at 11.40 -*  
*(Signed) James W. Cogswell* *Ensign*

*From 11 A.M. to 4 P.M. Clear & pleasant - Light breeze from S.E. and E.S.E.*  
*At 1.15 spread five, at 3 called "all hands Christen sail", stop in and*  
*put sail. At 3.15 commenced sounding - got bottom at 2652 fathoms,*  
*redish brown mud -*  
*(Signed) Clinton W. Curtis* *Ensign*

*From 4 to 6 P.M. Clear - Warm - Moderate - S.E. breeze - in four boilers -*  
*At 4.50 fathoms, 38° F. At 5.10 made all plain sail except*  
*F. T. M. S. S. At 5.15 stoppered steaming, uncoiled propeller, & tanked*  
*five - At 5.40 hauled down flying jib - Time tanked in four boilers -*  
*Steam pressure 25 lbs. -*  
*(Signed) Samuel C. Lundy* *Ensign*

*From 6 to 8 P.M. Clear & pleasant - Moderate - breeze from S.E. & E. At*  
*6.25 set M. T. M. S. S. At 7.20 stop in*  
*M. T. M. S. S. Time tanked in four boilers - Steam pressure 25 lbs. -*  
*(Signed) Charles F. T. Moore* *Ensign*

*From 8 to Midnight. Clear & pleasant. Long swell from S.E. Time tanked*  
*in four boilers - Steam pressure 25 lbs. -*  
*(Signed) James W. Cogswell* *Ensign*

Examined and found to be correct.

*(Signed) Alva Harper* *Ensign*

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Recess of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1	6.0	W. 3/4 N.	S. E. 1/2 E.		3	30.05	77	78	76	78	bc	Cum	6	L
2	6.0	"	"		3	30.03	77	78	76	78	"	"	4	"
3	5.4	"	"		2.3	30.04	76	78	76	78	bc	"	9	"
4	6.0	"	"		2.3	30.04	76	78	76	78	bc	"	8	"
5	6.2	"	S. E.		4	30.06	76	77	76	78	"	bc	8	"
6	6.4	"	S. E. 1/2 E.		3.4	30.05	76	77	76	78	"	"	8	"
7	6.2	"	"		3.4	30.06	76	77	76	78	"	"	8	"
8	6.6	"	"		3.4	30.08	76	78	76	78	"	"	8	"
9	6.0	"	S. E.		4	30.07	77	79	77	78	"	"	6	"
10	5.0	"	S. E.		3	30.06	77	79	77	79	"	"	5	"
11	Founding	"	"		3	30.06	78	80	79	79	bc	"	4	"
Noon.	2.6	W. 3/4 N.	"		4	30.07	79	82	80	79	bc	"	6	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

117 knots 0 fathoms.

19.08.20. S.

21.06.15. W.

19.09.00. S.

21.07.45. W.

20.00.00. W.

350 gallons.

1950.

2 tons 510 lbs.

114 121 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Barometer.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Recess of the sail the vessel is under at end of watch.
1	6.0	W. 3/4 N.	S. E.		4	30.06	78	82	80	79	bc	bc	9	L	All plain sail except F. to W. S. S.
2	6.2	"	"		4	30.03	78	82	79	80	"	"	5	"	"
3	5.4	"	"		4	30.03	78	81	79	80	"	"	6	"	"
4	5.4	"	"		4	30.03	77	81	79	80	"	"	8	"	"
5	5.4	"	"		2.3	30.03	77	80	78	80	"	"	7	"	"
6	5.0	"	"		2.3	30.04	77	80	78	80	"	"	7	"	"
7	4.2	"	"		2	30.07	77	79	77	80	"	"	7	"	"
8	4.6	"	S. E. 1/2 E.		3	30.07	77	79	77	80	bc	"	6	"	Except F. to W.
9	6.0	"	"		3	30.10	77	78	77	80	bc	bc	8	"	"
10	5.6	"	"		3	30.10	77	78	76	80	"	"	7	"	"
11	6.0	"	"		3	30.09	77	78	76	80	"	"	9	"	"
Mid.	5.4	"	S. E.		3	30.08	77	78	76	80	"	bc	9	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Peley  
Tuesday January 29<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy - Facing storm from  
low clear latter part. Light breeze from S. and E. At 3.45 put up  
M.T.M.S.S. Five tanks in four boilers. Steam pressure 25 lbs.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 8 A.M. Clear. Warm. Fresh S.E. breeze. Cum, Cir, clouds. Five tanks  
in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lemly  
Ensign.

From 8 to 11 A.M. Clear. Warm. Facing storm from low. Moderate  
breeze from S. and E. At 8.30 Menab fine. At 9.20 shorted & fuel  
oil. Commenced pounding at 9.36. At 9.35 inspected at quarters.  
Spined at company drill. At 10, got bottom at 2771 fathoms, brown  
mud. At 11.30 called all hands & made sail. Fanned fire and  
uncompacted propeller.

(Signed) Charles F. T. Moore  
Ensign.

From 11 A.M. to 4 P.M. Clear & pleasant. Moderate breeze from E. S. E. Long  
well from S. E. by E. Five tanks in four boilers. Steam pressure 25 lbs.  
Distilling.

(Signed) James K. Cogswell  
Lieut.

From 4 to 6 P.M. Clear & pleasant. Light breeze from S. and E. At 5.45  
put up M.T.M.S.S. Five tanks in four boilers. Steam pressure 25 lbs.  
Distilling.

(Signed) Clinton K. Curtis  
Lieut.

From 6 to 8 P.M. Clear. Pleasant. Light S. E. breeze. Cum, Cir, clouds.  
At 6 called all hands put up sails. Took in ropes & flying jib & took single  
reef in topsails. Time to 7.50. Took up out of main sail. At 7.50 took in  
jib, M.T.M.S.S. & M. by sail. Five tanks in four boilers. Steam pressure  
25 lbs. Distilling.

(Signed) Samuel C. Lemly  
Ensign.

From 8 to Midnight. Clear & pleasant. Gentle breeze from S. E. by E.  
Five tanks in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

(Signed) Asa Walper  
Lieut.

Navigator.



Steamer "Essex"

At Sea 5<sup>th</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, by symbols.	State of the Sea.	Depth of the soil the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	6 0	11 3/4	E. S. E.		4	30.06	76	79	77	79	bc	Cum. 9	9		All plain sail
2	5 4	"	"	"	4	30.04	76	79	77	79	"	"	9	"	except M. sail.
3	6 4	"	"	"	4.5	30.02	76	79	77	79	"	"	8	"	jit & flying jit
4	5 4	"	"	"	4	30.02	76	79	77	79	"	"	9	"	"
5	5 4	"	"	"	3	30.04	76	79	77	79	"	"	8	"	"
6	2 4	"	"	"	3	30.05	76	79	77	79	"	"	5	"	"
7	4 0	"	"	"	3	30.05	77	79	77	79	bc	"	5	"	"
8	4 0	11 3/4	E. S. E.		3	30.07	77	79	77	79	"	"	3	"	"
9	5 0	"	"	"	3	30.07	78	81	78	79	bc	"	5	"	"
10	6 0	"	"	"	4	30.07	78	81	79	79	"	Scum 6	6	"	"
11	5 6	"	"	"	4	30.07	79	82	79	79	"	"	7	"	"
Noon.	6 2	"	"	"	4	30.08	79	82	80	79	"	"	7	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

124 knots 2 fathoms.

19. 33. 12. S.

23. 16. 45. W.

19. 35. 30. S.

23. 24. 00. W.

18. 00. 00. W.

400 gallons.

700 "

2250 "

2 tons 1380 lbs.

111 " 981 "

P. M.	4	4	W. 3/4 N.	E. S. E.	3	30.06	80	83	81	79	bc	Scum 6	R	All plain sail
1	4	2	W. 1/2 N.	E. S. E.	3	30.05	80	83	80	79	"	"	3	" except M. sail.
2	5	4	"	"	4	30.08	79	82	80	79	"	"	5	" Jit & flying jit
3	5	2	"	"	3	30.02	79	83	81	79	"	"	6	"
4	5	4	"	"	3	30.03	78	81	79	79	"	"	5	"
5	5	4	"	"	3	30.05	78	81	79	79	"	"	3	"
6	6	2	"	"	3	30.06	78	80	78	79	"	"	7	"
7	5	0	"	"	2.5	30.08	78	79	77	79	"	"	5	"
8	5	4	"	"	2.5	30.09	78	80	78	79	"	"	3	"
9	5	2	"	"	3	30.09	78	80	78	79	"	"	3	"
10	5	2	"	"	3	30.08	78	80	78	79	"	"	4	"
11	5	0	"	"	3	30.07	78	80	78	79	"	"	2	"
Mid.	5	0	"	"	3									

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by " at



under the command of *Commodore Winfield Scott Perry*  
*Wednesday January 30<sup>th</sup>*

, 1870.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant - Moderate breeze from E. S. E. Horn rose at 2-50. Fine lamped in four miles. Distilling -

(Signed) Fannie K. Cogswell

from 4 to 8 A.M. Partly cloudy - Light sprinkling of rain latter part.  
Moderate breeze from E.S.E. At 5 spruce fire, took in & fueled light  
sails & foremast. At 5.15 shortened & fueled all sail. At 5.30 got  
rounding in 2780 fathoms, bottom reddish brown mud. At 7.05  
made stail & stood off on corner. At 7.23 uncoupled forepuller & backed  
fire. At 7.50 set R.T.W. S.S. & hauled down jib & flying jib, also W.  
T.W. S.S. Fire hanked in four coils. Distilling - (Dinner) Col. 1- R. 1- 1-

(Liquor) Clinton K. Cuyler

From 8 to 11 AM. Clear. Warm. Fresh E. by S. breeze. Cir. Cum. clouds. At 9.15 inspected at quarters by special 1<sup>st</sup> and 2<sup>nd</sup> Divisions at great guns. At 11.30 stopped dinner. Fine banquet in four tables. Steamers. Precipitation 25<sup>th</sup>.

(Signed) Samuel C. Lewis

from Minst. to 4 P.M. Clear Warm - Moderate breeze from E. by S. At 12.15 changed course to N.  $\frac{1}{2}$  W. Five sampels in four trials - Steam pressure 25 lbs.

(Liquid) Charles F. T. Moore

From 4-6 P.M. Cloudy & pleasant. Moderate breeze from S.W. and E.  
Bluebird scarce - Five banded in four holes - Steam pressure 25 lb.

(Pigment) Laurel H. Cogswell

from 6 to 8 P.M. Partially cloudy. Pleasant. Light breeze from S.W. and E. -  
Fire tankard in four trials. *Phaen. pumila* 25 lbs. *Phaen. pumila* 15 lbs. *Phaen. pumila* 15 lbs.

(Signed) Clinton L. Lupton

From 8 to Midnight - Cloudy - Pleasant - Light E. by S. breeze - Cir, Cum,  
clouds - Fire lamped in front boiler - Steam pressure 25 lbs.

(Signed) Samuel G. Lewis  
Scribe.

Examined and found to be correct.

(Figured) *Arca Walpolei* Linn.

Navigator.



Steamer "Essex"

Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETERS.		TEMPERATURE.		State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in tenths.	State of the Sea.	Bearing of the sun the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. str'd.	Air.	Water at surface.					
A. M.															
1	6 0	H. 1/2 H.	E. 1/2 E.	3			30.06	78.80	79.80	0	Cloudless	0			
2	1 4	"	E. 1/2 E.	3			30.05	78.80	79.80	4	"	6	"		
3		"	"	3			30.05	78.80	79.80	"	"	2	"		
4	Pumping	"	E. 1/2 S.	4			30.03	78.80	79.80	0	"	0	"		All plain sail
5	5 0	H. 1/2 H.	E. 1/2 E.	4			30.02	77.79	79.80	"	"	0	"		except M. sail,
6	3 2	"	"	2			30.02	77.79	77.80	4	"	1	"		fit by F. fit.
7	4 0	"	"	3			30.00	77.79	77.80	0	"	0	"		
8	3 4	"	"	2.3			30.05	77.79	77.80	0	"	0	"		
9	4 4	"	E. 1/2 E.	2.3			30.06	78.80	78.80	4	"	1	"		
10	5 4	"	E. 1/2 S.	2.3			30.06	78.82	79.80	4	"	4	"		
11	4 4	"	"	2.3			30.07	79.82	79.80	"	"	6	"		
Noon.	3 2	"	"	2.3			30.07	81.85	82.80	"	"	4	"		

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

106 knots 2 fathoms.

19 56.4

25.15.00

20.03.41

25.28.00

H. 30° S.

18.00.00

3.50 gallons.

1900

2 tons 170 lbs.

109 " 811 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. str'd.	Air.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in tenths.	State of the Sea.	Bearing of the sun the vessel is under at end of watch.
1	2 6	H. 1/2 H.	E. 1/2 S.	2			30.05	81.87	85.80	4	Cloudless	0			All plain sail
2	3 2	"	"	2			30.03	82.86	85.80	"	"	8	"		except M. sail
3	6 0	"	E. 1/2 H.	4			30.03	80.83	81.80	"	"	7	"		fit by F. fit.
4	5 4	"	"	2.3			30.01	80.83	81.80	"	"	8	"		"
5	3 0	"	E. 1/2 S.	2			30.00	80.84	82.80	"	"	8	"		"
6	2 6	"	E. 1/2 S.	2			30.02	80.82	80.80	"	"	9	"		"
7	2 4	"	"	2			30.03	79.82	80.80	"	"	9	"		"
8	2 0	"	"	2			30.06	79.81	80.80	"	"	9	"		"
9	3 0	"	"	1			30.07	79.80	80.80	4	Cloudless	0			"
10	3 4	"	"	1.2			30.08	79.80	78.80	4	"	2	"		"
11	3 0	"	"	1.2			30.08	79.80	78.80	"	"	2	"		"
Mid.	3 4	"	"	1.2			30.07	79.80	79.80	"	"	3	"		"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commodore Winfield Scott Schley  
Thursday January 31<sup>st</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy - Pleasant - Moderate breeze from S.E. and E.S. At 1.05 took in and fired light sails and fustail. At 1.20 took in and fired topsails. At 1.45 commenced sounding. Got bottom at 32.84 fathoms, brown sand. Time, at bottom 33.5. At 3.45 let topsails and F.T.M. S.S. Fire in four trials -

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 A.M. Breeze & pleasant - Passing shower Light breeze from S.E. and E.S. At 4 made sail to payal. Fired five in four trials. Steam pressure 25 lbs.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight, Partly cloudy - Warm - Pleasant - Light breeze from S.E. and E.S. At 9.15 inspected at quarter. Sprinkled at single shot by companies. Fire banded in four trials. Steam pressure 25 lbs.

(Signed) Clinton K. Curtis  
Lieut.

From Midnight to 4 P.M. Clear - Warm - Light breeze from E.S. Fire banded in four trials. Breeze freshening and shifting to S.E. of E. Steam pressure 25 lbs. Sea, calm, cloudy.

(Signed) Samuel C. Lundy  
Ensign.

From 4 to 6 P.M. Clear & Warm - Light breeze from E.S. Fire banded in four trials. Steam pressure 25 lbs.

(Signed) Charles F. T. Moore  
Ensign.

From 6 to 8 P.M. Clear & pleasant - Light breeze from S.E. and E.S. At 6.15 exercised at running, topsails. At 6.30 inspected at quarter. Fire banded in four trials. Steam pressure 25 lbs. Distilling -

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight Cloudy - Passing shower first hour. Light breeze from S.E. and E.S. Fire banded in four trials. Steam pressure 25 lbs. Distilling -

(Signed) Clinton K. Curtis  
Lieut.

Examined and found to be correct.

(Signed) Ora Walpus  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Winds, by symbols.	Direction of Current, by symbols.	State of the Sea.	Remarks of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	4 0		N. 1/2 E.	E. 1/2 N.	2	30.00	78.80	78.80				bc	6	5 L	All plain sail
2	4 0		"	"	2	30.02	78.80	78.80				"	"	6 "	except W. sail,
3	4 0		"	"	2	30.00	78.80	78.80				"	"	7 "	Y. & F. fit.
4	4 0		"	"	2	30.00	78.80	78.80				"	"	7 "	"
5	4 4		"	E.	3	30.02	78.80	78.80				"	"	5 "	"
6	4 0		"	"	4	30.02	78.80	78.80				"	"	8 "	"
7	1 8		"	E. 1/2 S.	3	30.05	79.81	79.81				"	6	5 "	"
8	Soundings		"	"	3.5	30.03	79.81	79.81				bc	"	2 "	"
9	5 4		N. 1/2 E.	E. 1/2 N.	5	30.05	80.82	79.82				bc	"	9 "	"
10	6 0		"	"	4.5	30.05	80.83	80.82				"	"	8 "	"
11	6 0		"	"	5	30.05	80.83	80.83				"	"	2 "	"
Noon.	5 2		"	E. 1/2 E.	4	30.03	81.84	82.83				"	"	2 "	"

Distance run by Log since preceding Noon

89 knots 0 fathoms.

Latitude by D. R. at Noon

20° 25' 17" S.

Longitude by D. R. at Noon

27° 00' 00" W.

Latitude by Observations at Noon

20° 26' 05" S.

Longitude by Chronometer from Forenoon Observations

27° 06' 00" W.

Current during the time knots 2 fms. per hour, setting to the N. 1/2 E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

18° 25' 00" W.

Water expended during the preceding 24 hours

550 gallons.

Water consumed during the preceding 24 hours

500 "

Water remaining on hand for use at Noon

2100 "

Coal consumed during the preceding 24 hours

2 tons 1500 lbs.

Coal remaining on hand at Noon

106 " 1551 "

P. M.															
1	4 4		N. 1/2 E.	E. 1/2 N.	3	30.03	81.86	83.83				bc	6	8 L	All plain sail
2	4 4		"	"	3	30.03	81.86	82.83				"	"	8 "	except W. sail,
3	4 0		"	"	2.5	30.03	81.84	82.83				"	"	8 "	Y. & F. fit.
4	3 4		"	"	2.5	30.02	80.84	82.83				"	"	8 "	"
5	3 0		"	"	2	30.03	80.83	81.83				"	6	8 "	"
6	2 4		"	"	2	30.03	80.83	81.83				"	"	5 "	"
7	3 4		"	E.	2.4	30.02	80.82	81.83				bc	6	5 "	"
8	5 0		"	E. 1/2 E.	3	30.06	79.81	79.83				bc	"	2 "	"
9	3 4		"	E. 1/2 E.	3	30.09	79.81	79.83				"	"	5 "	"
10	3 0		"	"	3	30.09	79.81	79.83				"	"	6 "	"
11	4 6		"	"	4	30.08	79.81	79.82				"	"	6 "	"
Mid.	5 0		"	"	4	30.07	79.78	79.82				"	"	9 "	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of Commodore Winfield Scott Schley  
Friday February 1<sup>st</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Pleasant Light S.E. breeze. Cir, cum, clouds. Fine bar passed in fore boiler. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Ensign.

From 4 to 8 A.M. Clear & pleasant first part. Passing storm last hour. Moderate breeze from E. At 5.30 took in and furl'd light sails and foresail. At 6.05 took in and furl'd topsails and F.T.M.S.S. Commenced pumping at 6.20. At 6.55 got bottom at 2991 fathoms, brown mud. Temp, at bottom 33°. Temp, at 200 fathoms 54°. At 8, started ahead on course. Fine in fore boiler.

(Signed) Charles F. T. Moore  
Ensign.

From 8 to Midnight Clear & pleasant. Moderate breeze from N. and E. At 9.15 expired at fire quarter. Time of starting first steam 40°. Ensign, 45°. 2nd steam, 1st. By order of Commander the following punishments were assigned. Lewis Polk (D.L.C.) for knocking out of line, repeated offences, to report to the Officer of the Deck at the end of each watch, for his work. Robert Randson (D.L.C.) and Alca Whitcomb (Lde) asleep on watch, 6 hours after duty. Fine bar passed in fore boiler.

(Signed) James K. Cogswell  
Lieut.

From Midnight to 4 P.M. Clear warm & pleasant. Light breeze from E. by N. At 1.15 hauled down H.T.M.S.S. Fine bar passed in fore boiler. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis  
Lieut.

From 4 to 6 P.M. Clear Warm. Gentle breeze from E. by N. Cir, cum, clouds. At 5.45 expired at rising foresail. Fine bar passed in fore boiler. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Ensign.

From 6 to 8 P.M. Cloudy. Squally, with light sprinkling of rain first hour. Light breeze from E. At sunset mustered at quarter. At 7.10 took in mainmast and gaff topsails.

(Signed) Charles F. T. Moore  
Ensign.

From 8 to Midnight Clear & pleasant. Moderate breeze from S. and E. Fine bar passed in fore boiler. Distilling.

(Signed) James K. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Asa Walper  
Lieut. Navigator.



Hour.	Knots.	Fathoms.	Current observed.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in 10ths.	State of the Sea.	Direction of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 0		N. 1/2 W.	E. S. E.	3		30.0579	82	80	80	bc	Sunlight	8			Call plain sail
2	4 4		"	"	3		30.0379	81	79	80	"	"	6			except W. sail.
3	4 4		"	"	3		30.0379	81	79	80	"	"	2			fit by T. fit -
4	5 0		"	"	3		30.0279	81	79	80	"	"	1			"
5	4 6		"	"	2		30.0480	81	79	80	"	"	2			"
6	5 0		"	"	2		30.0680	81	79	82	"	Light	6			"
7	2 0		"	"	3		30.0880	82	80	82	"	"	8			"
8	Rounding		"	E.	3		30.0880	82	80	82	"	"	8			"
9	6 2		N. by W.	E. by N.	4		30.0980	83	80	82	"	"	6			"
10	6 2		"	E. by N.	4		30.0880	83	81	82	"	"	7			"
11	6 0		"	E.	4		30.0881	83	81	83	"	"	8			"
Noon.	5 6		"	"	4		30.0882	84	82	83	"	"	8			"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D.<sup>r</sup>R. at Noon

Latitude by Observations at Noon ②

Longitude by Chronometer from Forenoon Observations. ©

Current during the time      knots      fms. per hour, setting to the

Variation of the Compass by Amplitude  $\odot$  observed at Sunrise

Variation of the Compass by Azimuth  $\odot$  observed at *P. A. M.*

Water expended during the preceding 24 hours

Water *Conducted* during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

101 knots 6 fathoms.

20-28-24 P.

28. 52.00" W.

20-47-30-2

28: 54.40: 85.

17. 50. 00 N.

350 gallons.

400

1800

tons 1170 lbs.

4-10 281 04

[illegible]

Longitude by Chronometer from Afternoon Observations ©

Longitude by Chronometer from Observations

\*Variation of the Compass by Amplitude observed at Sunset

### Variation of the Compass by



under the command of

Commander Winifred Scott Selley  
Saturday February 2<sup>nd</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear & pleasant first hour, cloudy latter part. Light breeze from E. S. E. Fine tanked in four boiler. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

Lieut.

From 4 to 8 A.M. Clear Warm Light E. S. E. breeze. At 5.30 spread fine. At 6, took in and fueled topsail and royals. At 6.15 took in and fueled topsails and completed propeller. At 6.20 started ahead with engine. At 6.30 commenced coaling. At 7, got bottom in 2635 fathoms water, bottom mud and black sand. At 7.52 finished coaling. At 7.58 made square sail to royals, except fore sail. At 8, started ahead on course, N. by W. At 8, sighted Martin Van Peper (see) N. W. by W. 1/2 W.

(Signed) Samuel C. Remley

Ensign.

From 8 to 11 A.M. Clear Warm Moderate breeze from E. At 8.15 started steaming, reconnected propeller & tanked fine. Set sprinker & gaff topsail. At 9.45 set jib, & jib & M. T. W. S. S. hauled down F. T. W. S. S. At 10.15 set Main topsail. Almost hoisting. At 9.55 sighted the Island of Trinidad bearing (see) N. W. by W. Fine tanked in four boiler. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore

Ensign.

From 11 A.M. to 1 P.M. Cloudy Warm Moderate breeze from E. Fine tanked in four boiler. Steam pressure 25 lbs. Distilling.

(Signed) James K. Cogswell

Lieut.

From 4 to 6 P.M. Clear & pleasant Warm Light breeze from E. Fine tanked in four boiler. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

Lieut.

From 6 to 8 P.M. Clear Warm Light E. S. E. breeze. Clear, sun, clouds. At sunset anchored at quarter. At end of watch Trinidad Island bore (see) N. E. by N. Fine tanked in four boiler. Distilling.

(Signed) Samuel C. Remley

Ensign.

From 8 to Midnight Clear & pleasant. Equally last hour. Light breeze from E. At 8.45 took in sprinker & gaff topsail. Fine tanked in four boiler. Steam pressure 25 lbs.

(Signed) Charles F. T. Moore

Ensign.

Examined and found to be correct.

(Signed) Aca Walper

Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Currents observed.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Wet Bulb.	Water at surface.			
A. M.														
1	4 6	H. 4 H.	E. by S.		3	30.09	80	81	79	82	bc	Cum. f. 9	L	All plain sail
2	4 4	"	"		3.5	30.07	80	81	79	82	"	"	9	except M. sail.
3	6 4	"	"		3.5	30.07	80	81	79	82	"	"	9	fit & F. fit.
4	5 0	"	"		3.5	30.04	80	81	79	82	"	"	9	"
5					4	30.06	80	81	79	82	"	"	9	"
6	<i>Downing</i>				4	30.07	80	81	79	82	"	"	4	"
7	6 0	H. 4 H.	"		3.5	30.08	80	81	79	82	bc	"	2	"
8	5 6	"	"		3.4	30.09	81	82	80	82	bc	"	4	"
9	7 0	"	E. by E.		3.6	30.06	78	81	79	82	bc	"	1	"
10	4 4	"	E.		3	30.10	81	81	81	82	bc	"	8	"
11	5 2	"	E. by E.		3	30.12	81	83	82	82	"	bc	8	All plain sail
Noon.	5 0	"	E. 4 H.		3	30.10	81	84	83	82	"	"	7	except F. T. M. S. S.

Distance run by Log since preceding Noon

110 knots 0 fathoms.

Latitude by D. R. at Noon

20° 58' 00" S.

Longitude by D. R. at Noon

30° 48' 40" W.

Latitude by Observations at Noon

21° 21' 30" S.

Longitude by Chronometer from Forenoon Observations

30° 44' 00" W.

Current during the time knots 2 fms. per hour, setting to the E. 38° S.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

14° 45' 00" W.

Water expended during the preceding 24 hours

350 gallons.

Water *Condensed* during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

2 tons 720 lbs.

Coal remaining on hand at Noon

101 " 1901 "

P. M.	1	2	3	4	5	6	7	8	9	10	11	Mid.
	3 6	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.
1	3 6	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.	H. 4 H.
2	3 4	"	"	"	"	"	"	"	"	"	"	"
3	5 2	"	"	"	"	"	"	"	"	"	"	"
4	4 6	"	"	"	"	"	"	"	"	"	"	"
5	5 0	"	"	"	"	"	"	"	"	"	"	"
6	4 4	"	"	"	"	"	"	"	"	"	"	"
7	5 0	"	"	"	"	"	"	"	"	"	"	"
8	5 4	"	"	"	"	"	"	"	"	"	"	"
9	5 6	"	"	"	"	"	"	"	"	"	"	"
10	6 0	"	"	"	"	"	"	"	"	"	"	"
11	6 2	"	"	"	"	"	"	"	"	"	"	"
Mid.	6 0	"	"	"	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Pelee  
Sunday February 5<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Moderate breeze from S. and E. At 3. Spread fire in four boilers. Shortened and furled sail at 3.40. Commenced rounding at 4.

(Signed) James K. Cogswell  
Lieut.

From 4 to 8 A.M. Partially cloudy. Pleasant first part. Squally & rainy third hour. Moderate breeze from E. By 8 At 4.49 got rounding in 26 ft. fathom water, bottom light mud. At 6 made sail and stood on corner. Tacked fire. At 6.45 took in royals to a squall, set them again at 7. Fire tacked in four boilers.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight, Cloudy. Squally. Rainy first hour. Clear & warm latter part of watch. Light breeze from E. At 8.25 took in royals to a squall. At 8.35 took in tops gallant sails. At 9.05 set royals & tops gallant sails. At 9.30 called all hands to muster, read Article of War and prayer. Mustered crew. At 10.45 set springs, gaff topsail, 1st, 2d, 3d & 4th. Hauled down P.T.M.S.P. Fire tacked in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy  
Ensign.

From Midnight to 4 P.M. Cloudy. Squally first hour. Light breeze from E. At 12.05 took in P.T.M.S.P. At 12.15 changed corner to N. By 4 P.M. At 12.25 took in royals, 2d, 3d & gaff topsail. At 12.55 set royals, 2d, 3d and gaff topsails. At 1.35 took in springs. Fire tacked in four boilers. Steam pressure 25 lbs.

(Signed) Charles F. T. Morris  
Ensign.

From 4 to 6 P.M. Cloudy & pleasant. Moderate breeze from N. & E. Fire tacked in four boilers. Steam pressure 25 lbs.

(Signed) James K. Cogswell  
Lieut.

From 6 to 8 P.M. Partially cloudy. Warm. Light sprinkling of rain second hour. At 6.45 hauled down 1st & 2d. At 7 P.T.M.S.P. Fire tacked in four boilers. Steam pressure 25 lbs.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Clear. Pleasant. Fresh E. by breeze. Clear, calm, light clouds. At 11.50 spread fire for rounding.

(Signed) Samuel C. Lundy  
Ensign.

Examined and found to be correct.

(Signed) Aar Walpole  
Lieut.

Navigator.



*Steamer "Essex" At Sea*

*3rd* Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Currents observed.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, by symbols.	State of the Sea.	Revol of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	20		<i>H. 3/4 H.</i>	East	3	30.10	80	82	80	82	bc	6	9	9	<i>All plain sail</i>
2	<i>Sounding</i>			"	4	30.08	80	82	80	82	"	"	8	"	<i>by F. T. M. S. S.</i>
3	30		<i>H. 3/4 H.</i>	"	4	30.07	80	82	80	82	"	"	8	"	"
4	56		"	"	4	30.07	79	80	79	82	"	"	6	"	"
5	60		"	"	4	30.06	80	82	80	82	"	"	5	"	"
6	60		"	"	5	30.06	80	82	80	82	"	"	7	"	"
7	60		"	"	5	30.08	80	82	81	83	"	"	9	"	"
8	52		"	"	5	30.08	80	82	81	83	"	"	6	"	"
9	54		"	"	3.4	30.08	81	84	82	83	"	"	9	"	"
10	54		"	"	3.4	30.08	81	84	82	83	"	"	9	"	"
11	52		"	"	3.4	30.08	82	85	83	83	"	"	9	"	"
Noon.	62		"	"	3.4	30.08	83	86	83	83	"	"	9	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water *Consumed* during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

*1.19 knots 0 fathoms.*  
*21° 13' 12" N.*  
*82° 51' 00" W.*  
*21° 17' 25" N.*  
*82° 50' 45" W.*  
*13° 35' 10" W.*  
*350 gallons.*  
*200 "*  
*2000 "*  
*3 tons 460 lbs.*  
*98 " 1441 "*

P. M.															
1	52	H. 1/4 H.	East	3	30.06	84	89	87	83	bc	Gibson	9	L	All plain sail	
2	44	"	"	3	30.06	84	89	88	83	"	"	9	"	and F. T. M. S. S.	
3	40	"	"	3	30.06	84	88	86	83	"	"	4	"	"	
4	44	"	"	3	30.05	84	87	83	83	"	"	7	"	"	
5	50	"	"	3	30.05	83	85	82	83	"	"	7	"	"	
6	54	"	E. S. E.	4	30.06	82	84	81	83	"	"	3	"	"	
7	56	"	"	4	30.07	81	82	81	83	"	"	3	"	"	
8	50	"	"	4	30.07	81	82	82	83	"	"	5	"	"	
9	Sounding	"	"	3	30.09	81	81	82	83	"	"	6	"	"	
10	12	H. 1/4 H.	E.	3	30.10	81	81	82	82	"	"	6	"	"	
11	40	"	"	3.4	30.10	81	82	82	82	bc	Gibson	8	"	"	
Mid.	30	"	"	3	30.10	81	82	82	82	"	"	1	"	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Pelee  
Monday February 4<sup>th</sup>

, U. S. Navy,

1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Moderate breeze from E<sup>d</sup>. At 12-05 stop in light sail & furlail. At 12-20 stop in topsails & commenced furling. Got bottom at 2433 fathoms, light brown mud. Temp at bottom 32.5. Temp at 400 fathoms 41.5. At 2-42 made sail to by sail. Ran fast fine. (Signed) Charles F. T. Moore

From 4 to 8 A.M. Cloudy - Pleasant. Moderate breeze from E. Ship rolling considerable. Fine transport in four trials. (Signed) James K. Cogswell

From 8 to 11 A.M. Clear. Warm & pleasant. Moderate breeze from E<sup>d</sup>. Engaged in hauling out & re-stowing four trials. Fine transport in four trials. Steam pressure 25 lbs. (Signed) Clinton K. Curtis

From 11 A.M. to 4 P.M. Clear. Warm. Light E<sup>d</sup> breeze. Righted two sail, one a ship standing to E<sup>d</sup>, the other an English brigantine standing to W<sup>d</sup> and E<sup>d</sup>. Exchanged color with the latter. Fine transport in four trials. Steam pressure 25 lbs. Distilling. (Signed) Samuel C. Lundy

From 4 to 6 P.M. Clear. Warm. Moderate breeze from E<sup>d</sup>, shifting to S<sup>d</sup>. At 5.35 set spanker, gaff to sail. At 5.45 set jib, W. T. W. S. S. and main by sail. Fine transport in four trials. Steam pressure 25 lbs. Distilling. (Signed) Charles F. T. Moore

From 6 to 8 P.M. Cloudy & pleasant. Moderate breeze from E. S. C. Started fine at 7.15. At 7.50 shortened & furlail sail. (Signed) James K. Cogswell

From 8 to Midnight. Cloudy. Light breeze from E<sup>d</sup>. Squally, with light rain, latter part. At 8.00 got stumbling in 2386 fathoms, bottom light brown mud. At 9.45 made sail & stood off on course. Ran fast fine and disconnected propeller. Steam pressure 25 lbs. Distilling. (Signed) Clinton K. Curtis

Examined and found to be correct.

(Signed) Wm Walpus

Navigator.



Steamer "Essex" At Sea

Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Barometer.	TEMPERATURE.					State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in tenths.	State of the Sea.	Record of the till the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3 2		N. 4. N.	East.	3	30.09	81	83	81	83		bc	Guine	8		All plain sail.
2	3 2		"	"	2	30.07	81	83	81	83		bc	"	5	"	"
3	4 2		"	"	3	30.07	81	83	81	83		bc	"	5	"	"
4	4 4		"	"	3	30.07	81	83	81	83		"	"	6	"	"
5	3 6		"	"	2	30.07	81	82	81	83		"	"	5	"	"
6	4 4		"	"	3	30.08	81	82	81	83		bc	"	3	"	"
7	5 0		"	"	2	30.09	81	82	81	83		bc	"	4	"	"
8	4 0		"	"	2	30.10	81	82	81	83		"	"	2	"	"
9	4 6		"	"	3	30.11	81	83	82	83		"	"	5	"	"
10	4 4		"	"	3	30.11	82	84	83	83		"	"	8	"	"
11	4 0		"	"	3	30.11	83	85	83	83		"	"	9	"	"
Noon.	3 4		"	"	3	30.10	84	86	84	83		"	"	9	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

97 knots 0 fathoms.  
 21. 33.31. S.  
 34. 33.45. W.  
 21. 39.32. S.  
 34. 38.00. W.

11. 45.00. W.

350 gallons.

400 "

2200 "

2 tons 130 lbs.

96 " 1311 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Barometer.	TEMPERATURE.	State of the Weather.	Force of Clouds.	Prep. of Clear Sky.	State of the Sea.	Record of the till the vessel is under at end of watch.	
1	3 4	N. 4. N.	E.	2.3	30.10	85	88	86	83	bc	Guine	8	All plain sail
2	3 4	"	"	2.3	30.09	85	88	86	83	"	"	8	except spantur
3	4 0	"	"	2.3	30.07	84	87	84	83	"	"	8	1/2 gaff to tail-
4	4 0	"	"	2.3	30.07	84	88	86	83	"	"	8	"
5	4 2	"	"	3	30.06	84	86	84	83	"	Guine	7	"
6	4 4	"	"	3	30.07	83	85	83	83	"	"	6	"
7	4 4	"	E. by N.	3	30.06	83	85	83	83	"	"	8	"
8	4 4	"	"	2	30.08	83	85	83	83	"	"	9	"
9	3 6	"	"	2	30.10	83	84	83	83	"	Guine	9	"
10	4 0	"	"	3	30.10	83	84	83	83	"	"	9	"
11	0 6	"	"	3	30.10	83	84	83	83	"	"	9	"
Mid.	Grounding	"	"	3	30.10	83	84	83	83	"	"	9	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commodore Winfield Scott Pellus  
Tuesday February 5<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Tacking storm just home of watch. Light E by breeze. Sun, Wind, clouds. Five tanked in four trials. Steam pressure 25 lbs. Discharging.

(Signed) Samuel E. Lundy  
Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Tacking storm second home. Light breeze from E. At 5.50 took in jags. At 6.05 set jags. Five tanked in four trials. Steam pressure 25 lbs. Discharging.

(Signed) Charles B. T. Moore  
Ensign.

From 8 to Midnight. Clear & Warm. Light breeze from E. At 9.15 inspected at quarter. Spent companion A and B at infanting drill. At 10 passed an English ship, which signalled her distinguishing number W.T.H.V. 313 days out from London bound for Stago, and requested to be reported. Five tanked in four trials.

(Signed) James L. Cogswell  
Lieut.

From Midnight to 4 P.M. Clear & Warm. Light breeze from E. At 2.45 took in span for 9 aft. No sail. Five tanked in four trials. Steam pressure 25 lbs. Discharging.

(Signed) Clinton L. Curtis  
Lieut.

From 4 to 6 P.M. Clear Warm. Gentle E by breeze. Sun, Clouds. Five tanked in four trials. Steam pressure 25 lbs.

(Signed) Samuel E. Lundy  
Ensign.

From 6 to 8 P.M. Clear & pleasant. Light breeze from E. by N. At sunset anchored at quarter. Five tanked in four trials. Steam pressure 25 lbs.

(Signed) Charles B. T. Moore  
Ensign.

From 8 to Midnight. Clear & pleasant. Light breeze from E. by N. At 9.30 spread fine. At 9.50 shortened & furlled sail. At 10.50 got bottom at 24-30 fathoms. Temp, at bottom 32.5. Temp, at 600 fathoms 37.5.

(Signed) James L. Cogswell  
Lieut.

Examined and found to be correct.

(Signed) Aea Walpus  
Lieut.

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Baromet.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fms.	State of the Sea.	Bearing of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	3 4	W. 1/4 N.	E. by N.		2.5	30.10	82	83	82	83	h	Cum	5	L	All plain sail
2	4 0	"	"	"	2.5	30.10	82	83	82	83	"	"	5	"	"
3	3 4	"	"	"	2.5	30.07	81	82	81	83	"	"	7	"	"
4	4 0	"	"	"	2.5	30.07	81	82	81	83	"	"	5	"	"
5	3 4	"	E.	"	2	30.07	81	82	81	83	"	Ein Cum	"	"	"
6	4 6	"	"	"	3	30.09	81	83	81	83	"	"	4	"	"
7	4 6	"	"	"	3	30.10	81	82	81	83	"	"	6	"	"
8	4 0	"	"	"	2	30.12	81	83	82	83	"	"	8	"	"
9	4 2	"	"	"	3	30.11	82	84	83	83	"	"	8	"	"
10	4 2	"	"	"	3	30.11	83	85	84	83	"	"	9	"	"
11	4 4	"	E. by N.	"	3	30.12	84	86	84	83	"	"	9	"	"
Noon.	4 6	"	"	"	2	30.12	84	86	84	83	"	"	9	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 3 fms. per hour, setting to the S.W. 1/2 S.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

87 knots 0 fathoms.

21.52.18" S.

36.11.00" W.

21.58.40" S.

36.16.15" W.

9.45.00" W.

350 gallons.

150 "

2100 "

1 tons 1210 lbs.

95 " 101 "

P. M.	1 0	W. 1/4 N.	N. E.	2	30.10	84	87	85	83	h	Ein Cum	8	L	All plain sail
1	2 2	W. 1/2 N.	"	2	30.09	84	87	85	83	"	"	8	"	"
2	3 0	"	"	2	30.08	83	86	84	83	"	"	8	"	"
3	3 0	"	E. by N.	2	30.08	83	86	84	83	"	"	8	"	"
4	2 6	"	"	2	30.08	83	86	84	83	"	"	8	"	"
5	3 4	"	"	2	30.08	83	85	83	83	"	"	8	"	"
6	3 0	"	"	2	30.07	82	85	83	83	"	"	8	"	"
7	3 6	"	E. by N.	2	30.06	82	84	83	83	"	"	8	"	"
8	4 4	"	E.	3	30.07	82	84	82	83	"	"	8	"	"
9	5 0	"	"	3	30.09	82	84	82	83	"	"	9	"	"
10	5 2	"	"	3	30.10	82	84	82	83	"	"	9	"	"
11	6 0	"	E. by N.	3	30.09	82	84	82	83	"	"	9	"	"
Mid.	6 2	"	N. E. by E.	3	30.08	82	84	82	83	"	"	8	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Phelps*  
*Wednesday February 6<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commence and exit 4 A.M. Partially cloudy - Pleasant. Light breeze from E. by N. At 12 made sail and shot off on course - Steam pressure 25 lbs.*

(Signed) *Clinton L. Curtis*

*Lieut.*

*From 4 to 8 A.M. Clear warm. Light E. by N. breeze. Cir, cum, clouds. Fine tan post in four trials - Steam pressure 25 lbs.*

(Signed) *Samuel C. Rensley*

*Ensign.*

*From 8 to 11 A.M. Clear warm. Light breeze from E. shifting to N. Moderate swell from E. Ship rolling easily - At 9.15 inspected at quarter. Instructions 1st, 2nd & 3rd. Circles in gunnery - At 10.30 set spanker and gaff to sail - At 11.25 set jib, flying jib, M. top sail and M. T. M. S. S. Fine tan post in four trials - Steam pressure 25 lbs. Distilling -*

(Signed) *Charles J. T. Moore*

*Ensign.*

*From 11 A.M. to 4 P.M. Clear & warm. Light breeze from N. and E. Long swell from E. Ship rolling easily - Maximum roll to leeward 10° to windward 8° - One sail in sight standing to N. Fine tan post - Distilling -*

(Signed) *James K. Cogswell*

*Lieut.*

*From 4 to 6 P.M. Clear warm & pleasant. Light breeze from E. by N. Long swell from E. Ship rolling easily - Splashed color with a white German barge standing to N. and N. Fine tan post. Steam 25 lbs. Distilling -*

(Signed) *Clinton L. Curtis*

*Lieut.*

*From 6 to 8 P.M. Clear warm. Light E. by N. breeze. Cir, cum, clouds. At 6.55 took in M. T. M. S. S. At 7.45 took in jib, flying jib, & M. top sail. Fine tan post in four trials - Steam pressure 25 lbs. Distilling -*

(Signed) *Samuel C. Rensley*

*Ensign.*

*From 8 to Midnight. Clear & pleasant. Light breeze from E, shifting to N. and E. Long swell from N. and E. Ship rolling easily. Moon set at 8.40 - Fine tan post in four trials - Steam pressure 25 lbs. Distilling -*

(Signed) *Charles J. T. Moore*

*Ensign.*

Examined and found to be correct.

(Signed) *Dea Walpole*

*Lieut.*

Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Baromet.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	5 6		N. 1/2 E.		4	30.06	81	82	81	84	bc	6mm	9	2	All plain sail
2	3 4		"	"	3	30.05	81	82	81	84	"	"	8	"	except 1st and
3			Bounding	"	3	30.04	81	82	81	84	"	"	6	"	flying 1st-
4	2 4		N. 1/2 E.	"	3	30.04	81	82	81	84	bc	"	5	"	"
5	4 0		"	"	3	30.04	81	83	81	84	bc	"	4	"	"
6	4 6		"	"	3	30.04	81	83	82	84	"	"	5	"	"
7	5 4		"	"	3.4	30.07	81	83	82	84	"	"	7	"	"
8	6 0		"	"	3.4	30.05	81	83	82	84	"	"	5	"	"
9	5 6		"	"	4	30.09	82	83	82	84	"	6mm	7	"	"
10	5 6		"	"	4	30.09	82	83	83	84	"	"	7	"	"
11	5 0		"	N. 1/2 E.	3	30.08	82	83	83	84	"	"	10	"	All plain sail
Noon.	4 4		"	N. 1/2 E.	3	30.07	82	84	84	84	"	"	8	"	except 1st sail.

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 2 fms. per hour, setting to the S. by E. 1/2 E.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M.

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

102 knots 6 fathoms.

22.08.46 S.

38.06.15 W.

22.15.22 S.

38.04.00 W.

9.25.00 W.

350 gallons.

700 "

2500 "

2 tons 1970 lbs.

92 " 371 "

P. M.																
1	4 6	N. 3/4 E.	N. A. E.	3	30.05	83	86	84	84	bc	6mm	6	2	All plain sail		
2	5 2	"	"	3	30.04	83	86	84	84	"	"	8	"	except 1st sail.		
3	5 2	"	N. E. 1/4 E.	3	30.03	83	85	83	84	"	"	6	"	"		
4	5 0	"	N. E. 1/4 E.	2	30.02	82	84	83	84	"	"	9	"	"		
5	4 4	"	N. E. 1/4 E.	3	30.02	82	84	83	84	"	"	9	"	"		
6	4 6	"	"	3	30.03	81	84	83	84	"	"	9	"	"		
7	2 4	"	"	3	30.05	81	84	83	83	"	"	7	"	"		
8	4	"	"	3	30.07	81	84	83	83	"	"	7	"	"		
9	6 4	"	"	4	30.08	82	84	83	83	"	"	7	"	"		
10	6 6	"	"	4	30.09	82	83	81	83	"	"	8	"	"		
11	7 0	"	"	4	30.09	82	83	80	83	"	"	9	"	"		
Mid.	7 0	"	"	4	30.07	82	83	80	83	"	"	8	"	"		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Kelley  
Thursday February 7<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Light breeze from N.E. and E. Well from E. At 12-50 tops in light sail. At 1-45 tops in topsails & started ahead under steam. At 1-55 got bottom in 2100 fathoms water, sand & brown sand. Lowest temp, 38.3°. Temp. at 500 fathoms 38.5°. At 3-30 made sail to jags and stood off on course. Ran fast fine.

(Signed) James K. Cogswell

From 4 to 8 A.M. Partially cloudy. Warm. Pleasant. Moderate breeze from E. N. E. Long swell from E. At 6-55 set jib, flying jib, M. T. M. S. & M. My sail. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

From 8 to Midnight, Clear. Warm. Moderate N.E. breeze falling & shifting to N. at end of watch. At 9-15 inspected at quarter. Special Company B. and J. at single shifts. Lighted two tarpaulins standing to E. N. E. Exchanged color with Station tarpaulin. The waste signal F. G. H. F. G. H. D. W. Q. P. We made F. G. H. F. G. H. D. W. Q. P. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling. At noon changed course to W. S. & N.

(Signed) Samuel C. Lundy

From Midnight to 4 P.M. Cloudy. Warm. Gentle breeze from N.E. and E. At 3-10 sighted a sail to S. E. Fire tanked fire in four boilers. Steam pressure 25 lbs.

(Signed) Charles F. T. Moore

From 4 to 6 P.M. Clear & pleasant. Moderate breeze from N.E. & E. Ship steady. Started fire at 5.

(Signed) James K. Cogswell

From 6 to 8 P.M. Clear. Pleasant. Moderate breeze from N.E. and E. At 6-28 shortened and fueled sail. At 6-42 got sounding in 1766 fathoms, bottom coarse sand. At 6-50 made sail and stood off on course. Ran fast fine Distilling.

(Signed) Clinton K. Curtis

From 8 to Midnight. Clear. Pleasant. Fresh N.E. & N. breeze. Clear, calm, clouds. At 9-20 Moon set. At 11, a very brilliant meteor passed across the Western heavens. Fire tanked in four boilers. Steam pressure 25 lbs.

(Signed) Samuel C. Lundy

(Signed) Ara Walpole

Navigator.

Examined and found to be correct.



*Lat. 22° 51' N. Long. 40° 00' W.*

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	Thermometer.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Air.	Surf.	Wet Bulb.	Water at surface.					
A. M.															
1	7 0		H. 1/4 H.	H. E.	4	30.06	82	84	82	84	bc	6	9	M	All plain sail
2	7 0		"	H. E. 1/4 H.	4	30.04	82	84	82	84	"	"	9	"	except mizzen, fit
3	7 0		"	"	4	30.03	82	84	82	84	"	"	9	"	4 gaff topsails.
4	7 2		"	"	4.7	30.03	82	84	82	84	"	"	8	"	"
5	7 0		"	"	4	30.01	80	84	80	84	"	"	1	"	"
6	5 2		"	"	4	30.02	79	83	80	84	"	"	7	"	All plain sail
7	5 4		"	"	5	30.03	80	83	81	84	"	"	9	"	except m. sail.
8	3 4		"	"	4.5	30.05	81	83	82	84	"	"	5	"	"
9	7 0		H. 1/2 H.	"	3	30.05	81	83	82	84	"	"	7	"	"
10	5 4		"	H.	3	30.05	81	82	81	84	"	"	7	"	"
11	4 6		"	"	3	30.05	81	83	81	84	"	"	7	"	"
Noon.	5 6		"	H. 1/4 E.	3	30.05	81	83	82	84	"	"	7	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots 6 fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at P. A. M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

153 knots 2 fathoms.

22. 16. 37. S.

40. 28. 00. W.

22. 34. 14. S.

40. 29. 00. W.

7. 25. 00. W.

550 gallons.

2000 "

2 tons 330 lbs.

90 " 41 "

P. M.	1 0		H. 1/2 H.	H. M. E.	3	29.03	80	83	82	84	bc	6	8	M	All plain sail
1	2 0		H. 1/4 S.	"	3	30.01	80	83	82	84	"	"	8	"	except m. sail.
2	6 0		"	"	3	30.00	80	83	82	84	"	"	9	"	"
3	5 4		"	H. E.	3	29.98	80	83	82	84	"	"	8	"	"
4	5 4		"	H. E. 1/4 H.	3	29.96	80	82	81	84	"	"	9	"	"
5	4 6		"	H. E. 1/4 E.	3	29.95	80	81	81	84	"	"	9	"	"
6	6 4		"	H. M. E.	4	29.95	79	81	80	84	"	"	9	"	"
7	7 0		"	E. 1/4 H.	4	29.95	79	81	80	84	"	"	9	"	Except gaff topsails
8	7 2		"	"	4	29.96	79	81	80	84	"	"	9	"	"
9	6 2		H. 3/4 S.	"	4	29.98	79	79	78	84	"	"	9	"	"
10	5 0		"	"	3.4	29.99	79	79	78	84	"	"	9	"	"
11	4 0		"	"	3.4	29.99	78	77	76	84	"	"	9	"	"
Mid.	5 2		"	"	3.4	29.99	78	77	76	84	"	"	9	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Schley  
Friday February 8<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Moderate breeze from N.E. and E. Moderate swell from N.E. and E. Ship rolling easily. At 1.10 a brilliant meteor passed from E. to N. through an arc of about  $20^{\circ}$  at an altitude of about  $15^{\circ}$ . At 1.50 stop in foremast & flying jib. At 3.50 stop in gaff topsail. Fire tamped in four boiler steam pressure 20 lb.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Equally first part, with shower of rain. At 5.30 spread fire. At 7 stop in all sail. At 7.23 got bottom in 635 fathoms water, sand. Lowest temperature  $38^{\circ}$  at 100 fathoms  $66^{\circ}$ . At 7.30 made all sail & tamped fire. At 8, changed course to N.  $1/2$  E.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight, Partly cloudy. Pleasant. Moderate breeze from N.E. and E. Barometer steady. At 9.15 spread at firing quarters. Time - 1<sup>st</sup> stream 45<sup>2</sup> 2<sup>nd</sup> stream 50<sup>2</sup> 3<sup>rd</sup> stream 1<sup>st</sup> 10<sup>2</sup> 2<sup>nd</sup> 10<sup>2</sup>. 3<sup>rd</sup> order of Commanders the following assignments were assigned. John Bullen (9.2) 12 hour extra duty for firing all up on lookout. James D. Marion (9.2) 12 hour extra duty for shipping fueling sails, darning and mending, and distilling order of Officer of Forecastle. Fire tamped in four boiler. Steam pressure 25 lb. Water engaged in scraping & oiling blocks.

(Signed) Clinton K. Curtis  
Lieut.

From Midnight to 4.15 A.M. Clear. Warm. Moderate N.E. breeze. Clear, even, cloudy. At 12.30 got cast of deep sea lead, no bottom at 120 fathoms. At 12.15 changed course to N.  $1/2$  E. At 3 spread fire in four boiler.

(Signed) Samuel C. Lundy  
Ensign.

From 4 to 6 P.M. Clear. Warm. Moderate breeze from N.E. and E. At 4.30 got a cast of deep sea lead in 50 fathoms, bottom red and white broken shells. Dressed spar. Putting up & binding down chains. Fire tamped in four boiler. Steam pressure 25 lb.

(Signed) Charles F. T. Moore  
Ensign.

From 6 to 8 P.M. Clear & pleasant. Moderate breeze from N.E. & E. At 6.30 mustered at quarters. At 7.50 hove to and got a cast in 40 fathoms water, bottom grey sand & shells. Fire tamped.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Clear & pleasant. Moderate breeze from E. & N. At 10 traced aback & got cast of lead in 38 fathoms, bottom coarse sand & shells. Fire tamped. Steam pressure 25 lb. Distilling. At 11.55 got a cast of the lead in 37 fathoms, bottom coarse sand & shells.

(Signed) Clinton K. Curtis  
Lieut.

(Signed) Ada Walpus  
Lieut.

Navigation



## LOG of the UNITED STATES

*Steam "Essex"* 3<sup>rd</sup> Rate, 6 Guns,  
At Rio de Janeiro, Brazil

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	6 0		N. $\frac{3}{4}$ E.	N. E.	4	29.97	76	76	76	80	bc	Cum 9			All plain sail.
2	7 0		"	"	4	29.95	74	74	74	75	"	"	9	"	except W. sail
3	7 2		"	"	4	29.94	73	73	73	70	"	"	9	"	"
4	7 2		N. E.	"	4	29.94	73	73	73	67	"	"	9	"	"
5	7 6		"	"	4	29.95	72	73	73	66	"	"	9	"	"
6	7 4		"	"	4	29.95	71	72	72	65	"	"	9	"	"
7	7 4		"	"	4	29.93	72	73	73	69	"	"	9	"	"
8	5 6		"	"	3	29.94	72	74	74	63	"	None	10	"	"
9	4 4		N. $\frac{1}{2}$ E.	"	3	29.94	73	75	75	53	"	"	10	"	"
10	4 4		"	"	3	29.93	75	76	75	53	"	Cum 9	"	"	"
11	6 4		N. $\frac{1}{2}$ E.	"	3	29.91	77	79	78	74	"	"	9	"	"
Noon	Standing into Rio de Janeiro		"	"	3	29.90	79	80	80	76	"	"	9	"	Fore and aft sail.

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water *Condensed* during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

350 gallons.

400 "

2000 "

2 tons 1530 lbs.

87 " 751 "

P. M.															
1	Standing into Rio	N. E.	3	29.89	81	84	88	bc	Cum 9						
2	"	"	2	29.89	81	84	88	"	"	9	"				
3	At Anchor	"	2	29.86	85	90	87	"	"	9	"				
4		"	2	29.86	85	90	87	"	"	9	"				
5		"	2	29.84	88	89	87	"	"	9	"				
6		"	2	29.84	86	89	87	"	"	9	"				
7		N. $\frac{1}{2}$ E.	2	29.85	86	88	85	bc	Cum 9						
8		"	1	29.86	86	88	85	"	"	9	"				
9		"	1	29.87	86	88	85	"	"	9	"				
10		"	1	29.88	85	87	85	"	"	9	"				
11		"	1	29.88	85	87	85	bc	"	9	"				
Mid.		"	1	29.88	84	86	84	"	"	9	"				

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Riley  
Saturday February 9<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear Cool. Damp. Moderate W. E. breeze. Sea, calm, clouds. At 12.20 sighted Cape Fin Light ahead (pc) W.  $\frac{3}{4}$  S. At end of watch Cape Fin Light bore (pc) N. N. E.  $\frac{1}{2}$  E. At 3.40 changed course to W. Fine lamped in from triller. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Clear Cool. Pleasant. Misty around horizon. Moderate breeze from N. E. Sighted three sail during watch. Fine lamped in from triller. Steam pressure <sup>25 lbs.</sup> Distilling. Standing along the coast of Brazil.

(Signed) Charles J. T. Moore

From 8 to Midnight. Clear & Warm. Misty around horizon. Moderate breeze from N. E. Standing into Rio under steam. At 8.30 changed course to W.  $\frac{1}{2}$  N. At 10, started under steam, shortened & furlled sail; made preparations for port. Paused several times & sail, standing to N. E.

(Signed) James L. Cogswell

From Midnight to 4 P.M. Clear & Warm. Light breeze from S. E. First part of watch standing in for Rio harbor. At 12.35 stop in fit & maneuver. At 1.50 called "king's ship to anchor". At 2.25 came to with port anchor in 15 fathoms water using to 45 fathoms port chain. Village upon the (pc) S. W.  $\frac{3}{4}$  S. Port St. George S. E.  $\frac{1}{2}$  E. & Port de Gravata E.  $\frac{1}{2}$  N. Drifted forward 13 fms 10<sup>in</sup>. Drifted 14 fms 10<sup>in</sup>. At 15 fms 11<sup>in</sup>. Hauled fire in the two port forward triller & lamped fire in the two starboard after triller. Commenced distilling at 3.

(Signed) Clinton L. Cushing

From 4 to 6 P.M. Clear Warm. Light S. E. breeze. Sea, calm, clouds. Fine lamped in two triller. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy

From 6 to 8 P.M. Clear Warm. Light breeze from S. E. and N. E. Distilling to N. E. and N. E. Misty. Fine lamped in two triller. Steam pressure 25 lbs. Distilling.

(Signed) Charles J. T. Moore

From 8 to Midnight. Clear & pleasant. Warm. Light air from S. E. and N. E. first part, from S. E. latter part of watch. Fine lamped in two triller. Distilling.

(Signed) James L. Cogswell

Examined and found to be correct.

Moore's Phare, 1<sup>st</sup> quarter, Dec, 8. 20

(Signed) Aca Walpus

Ensign.

Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

5<sup>th</sup>

Rate, 6

Guns.

Rio de Janeiro, Brazil

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.				East	1		29.88	82	85	88		bc	Cum	9	8	
1				Calu	0		29.87	82	85	88		"	"	9	"	
2				"	0		29.87	82	85	88		"	"	9	"	
3				"	0		29.87	82	85	88		"	"	9	"	
4				"	0		29.87	82	85	88		"	"	9	"	
5				Variable	1		29.88	83	84	88		"	Cum	9	"	
6				"	1		29.88	83	84	88		"	"	9	"	
7				"	1		29.89	83	84	88		"	"	9	"	
8				"	1		29.90	83	84	88		"	"	9	"	
9				H. H. H.	1		29.90	84	86	84		bcZ	"	9	"	
10				"	1		29.90	85	87	86		"	"	9	"	
11				Calu	0		29.89	85	88	86		"	"	8	"	
Noon.				P. H. H.	1		29.88	86	89	87		"	"	9	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

505 gallons.

Water *Condensed* during the preceding 24 hours

705 "

Water remaining on hand fit for use at Noon

2405 "

Coal consumed during the preceding 24 hours

1 tons 1070 lbs.

Coal remaining on hand at Noon

85 " 1921 "

P. M.				South	1		29.86	86	89	86		bcZ	Cum	8	8	
1				P. E.	2.3		29.84	85	88	85		"	"	8	"	
2				E. by S.	3.4		29.83	85	88	85		"	"	8	"	
3				P. E.	3.4		29.82	86	90	86		"	"	8	"	
4				S.	1.2		29.82	85	90	86		"	"	8	"	
5				"	1.2		29.82	85	91	86		"	"	8	"	
6				P. H. H.	3		29.83	87	89	86		"	"	8	"	
7				P. E.	3		29.84	86	88	86		"	"	8	"	
8				"	1		29.86	85	87	85		"	Cum	9	"	
9				E.	2		29.87	85	87	85		"	"	9	"	
10				H. H. E.	1		29.88	85	87	85		bcZ	"	9	"	
11				H. H.	1		29.87	85	87	85		"	"	9	"	
Mid.																

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander Winfield Scott Pellay  
Sunday February 10<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & warm. Light air from E. first  
hour, calm remainder of watch. Fair weather steady - fine lamp post in two trials.  
Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

Lieut.

From 4 to 8 A.M. Clear warm. Light variable air. Calm, sun, clouds.  
A small Italian steamer came in & anchored. Fine lamp post in  
two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy

Ensign.

From 8 to 11 A.M. Clear warm. Light variable air & calm. Hazy. Ebb  
tide. At 9.30 Commander inspected ship & crew at quarters. Afterwards  
called all hands to muster & read General Order No. 1 of South Atlantic  
Station. Commander said that he would now, having reached the  
station on which the ship was to serve, start the ship with a clean  
balance & therefore he placed all men from the quarantine of all names  
were except from the extra duty list. By order of Commander, Samuel  
Brown (C.F.C.) was released from confinement. From this time was excluded  
from the general release. Prisoner was read. Fine lamp post in two trials.  
Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore

Ensign.

From 11 A.M. to 4 P.M. Clear warm. Ebb tide. Moderate breeze blowing  
from E. to S.E. Picking across the tide.

(Signed) James K. Cogswell

Lieut.

From 4 to 6 P.M. Clear & warm. Light breeze from S. Ship picking  
to flood.

(Signed) Clinton K. Curtis

Lieut.

From 6 to 8 P.M. Clear. Hazy. Gentle breeze from S. by N. shifting to S.E.  
Calm, sun, clouds. Picking to flood. Fine lamp post in two trials. Steam pressure  
25 lbs. Distilling.

(Signed) Samuel C. Lundy

Ensign.

From 8 to Midnight. Clear & pleasant. Hazy. Light sea breeze first  
hour. Land breeze after 9.30. Got around to st. at 9. Lightning to S. & N.  
H. & S.

(Signed) Charles F. T. Moore

Ensign.

Moon Phase, 1<sup>st</sup> quarter, Dec 23<sup>rd</sup>.

Examined and found to be correct.

(Signed) Asa Walpole

Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"**2<sup>nd</sup>*

Rate,

6

Guns,

*Pio de Janeiro, Brazil*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the mile (the vessel is under at end of watch).
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.			N. W.	N. E.	1		29.86	83	86	83	bc	Cum	9	S		
1			N.	"	1		29.85	83	85	83	"	"	9	"		
2			"	"	1		29.82	83	85	83	bc	Hum	10	"		
3			Calms		0		29.83	82	84	83	"	"	10	"		
4	Ell tide	N. W.	"	"	0		29.82	82	84	82	"	"	10	"		
5	Hearing up	N. W.	N. W.	0.1		29.83	82	84	83	"	"	"	10	"		
6	Weather cloudy	"	"	0.1		29.85	82	85	83	"	"	"	10	"		
7	Ell tide	N.	"	0.1		29.85	83	85	83	"	"	"	10	"		
8	S. S. 1/2	"	N.	2		29.89	84	87	85	"	"	"	10	"		
9			"	"	1.2		29.88	84	87	85	"	"	10	"		
10			N. W.	S. E.	3		29.87	84	87	85	bc	Cum	9	"		
11	Slack	N. E.	"	"	3		29.85	84	87	85	"	"	9	"		
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

2 tons 270 lbs.

Coal remaining on hand at Noon

123 " 1651 "

P. M.																		
1	<i>Flood</i>	<i>S. E.</i>	<i>S. E.</i>	2	29.82	84	87	84						<i>bc</i>	<i>Cum</i>	9	<i>S</i>	
2		<i>S. E.</i>	<i>S.</i>	3	29.81	84	87	84						"	"	9	"	
3		<i>S.</i>	"	3	29.80	85	88	85						"	"	9	"	
4		<i>S. S. W.</i>	<i>S. S. W.</i>	2	29.78	86	89	85						"	"	8	"	
5		<i>S. E.</i>	<i>S. E.</i>	2	29.78	86	89	85						"	"	8	"	
6		<i>S. E.</i>	<i>S. E.</i>	2	29.78	86	88	85						"	"	8	"	
7	<i>Tide</i>	<i>S.</i>	<i>N. S. W.</i>	1.2	29.80	86	86	86						"	"	8	"	
8		<i>S. E.</i>	<i>S. E.</i>	1.2	29.81	84	86	83						"	"	9	"	
9	<i>Slack</i>	<i>N. W.</i>	<i>N.</i>	2	29.83	84	85	83						<i>bc</i>	"	7	"	
10	<i>S. S.</i>	"	<i>S. E.</i>	2	29.85	83	85	83						"	"	6	"	
11		"	<i>N. W.</i>	2	29.84	84	87	84						"	"	9	"	
Mid.		"	"	2	29.83	85	87	85						"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Monday February 11<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Light air from N.E. first part, calm latter part of watch. Picking to stb. At 1 started fire in two boilers.

(Signed) James L. Cogswell

Limit.

From 4 to 8 A.M. Clear & warm. Calm & light air from N.E. Made preparations for getting underway. At 6 a coal lighter came alongside. At 6.15 called "left anchor" - how life & shifted butts. Came to white port anchor, at 7, in 8 ft fathoms water, running to 30 fathoms at water edge. Heaving at anchor. Port Barge (for) S. 3/4 E. Port Barge (for) N. E. 1/2 E. Port Barge (for) S. E. 1/4 E. Ship's draught forward 13 feet 10 in. Amidships 14 feet 11 in. Aft 15 feet 11 in. Engaged in coaling ship. St. side. Five tanks.

(Signed) Clinton K. Curtis

Limit.

From 8 to 11 A.M. Clear. Warm. Light & gentle N. by breeze first part, and moderate S. E. by breeze latter part of watch. Made sea buoy 10.45. A pump was held on shore in construction Department. Frost consisting of Enrique S. C. Lundy, C. J. T. Moore & Carpenter W. H. Richardson. Engaged in coaling ship. Logged side. 3 boats. Five tanks in four boilers. Steam pressure 20 lb.

(Signed) Samuel C. Lundy

Enrique.

From 11 A.M. to 4 P.M. Clear. Warm. Light to gentle sea breeze from S. E. Got around to flood at 1. Finished coaling ship. Received 40 stone of coal. Five tanks in four boilers. Steam pressure 20 lb.

(Signed) Charles J. T. Moore

Enrique.

From 4 to 6 P.M. Clear & warm. Light breeze from S. E. and E. Hazy around the horizon. Five tanks in four boilers.

(Signed) James L. Cogswell

Limit.

From 6 to 8 P.M. Clear & warm. Light breeze from N. E. W. shifting to S. E. Ship's picking to flood. Five tanks in four boilers. Steam pressure 25 lb.

(Signed) Clinton K. Curtis

Limit.

From 8 to Midnight. Clear. Mild. Gentle sea breeze. Clear, sunny, clouds. Bright moonlight. At 11 low log, current about 1 ft. Five tanks in four boilers. Steam pressure 25 lb. Distilling.

(Signed) Samuel C. Lundy

Enrique.

Moon phase 2<sup>nd</sup> quarter, Dec, 26° S.

Examined and found to be correct.

(Signed) Orr Walpole

Limit.

Navigator.



Steamer "Essex"

Rate, 6 Guns,

Rio de Janeiro, Brazil, 1st of Aug

Hour.	Knots.	Tide.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Dir. of Cur.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6.4		N. E. by E.	E. by N.	1		29.82	85	86	85			bcz	None	10	S
2			N. E. by N.	E. N. E.	1		29.82	84	86	85			bcz	None	9	"
3	3		N. by N.	N. E.	1		29.83	84	86	85			"	"	9	"
4			"	N. N. E.	2		29.83	84	86	84			bcz	"	9	"
5			"	N. E. by E.	2		29.83	85	85	82			"	"	9	"
6			N.	E. N. E.	1		29.82	82	84	83			bcz	"	9	"
7			"	N. E.	1		29.84	82	84	82			"	"	9	"
8			"	N.	1		29.85	83	85	84			"	"	9	"
9			"	"	1		29.86	85	87	85			"	"	9	"
10			N. N. E.	"	2		29.86	86	91	87			"	"	8	"
11	Tide S		"	"	2		29.86	87	91	87			"	Sea Breeze	8	"
Noon.			"	"	2		29.85	89	92	88			"	"	8	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water Condensed during the preceding 24 hours

350 "

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

3 tons 751 lbs.

Coal remaining on hand at Noon

120 " 920 "

P. M.	Knots.	Tide.	Course steered.	Direction.	Force.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Current, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	Commence cast the dredge to fathom at 12.40		N. N. E.	S. E.	1.2	29.85	89	92	87		bcz	Sea Breeze	9	S	
2			N.	"	3	29.84	87	90	87		"	Sea Breeze	6	"	
3			"	"	3	29.83	84	88	86		"	"	5	"	
4			N. N. E.	S. N. E.	1.2	29.84	85	88	85		"	"	5	"	
5			N. N. E.	N. N. E.	2.4	29.85	85	87	84		"	Sea Breeze	5	"	
6			N. E. by N.	"	1	29.85	85	87	84		"	"	4	"	
7	Standing out of the		N. N. E.	S. N. E.	1	29.85	84	85	82	78	"	"	4	"	
8	2 0		N. N. E.	"	3	29.86	80	85	80	78	"	"	2	"	
9	6 4		"	"	1.0	29.89	79	81	79	78	"	"	3	"	
10	6 4		"	"	1.2	29.91	79	81	79	77	"	"	2	"	
11	6 6		"	N. E. by S.	3	29.91	79	82	80	77	02	Sea Breeze	0	"	
Mid.	6 2		"	N. E. by S.	3	29.91	79	81	80	77	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

Steaming with

Lat S. 23° 6'  
Long W. 48° 0'



## Medical Department.

Acid Carbolic. imp. 5 lb.	Saponis Liniment 2 lb.
Acid Sulph. ar. 4 oz.	Podar Bicarb 1 lb.
Aether 2 lb.	Purule hair 6.
Alumina 1/2 lb.	Pine 1/4 lb.
Argent. Nitrate fusa 2 oz.	Plaster Adhesive 5 yds.
Bismuth Subcarb. 2 oz.	Mucin 4 3/4 yds.
Copaiba 2 lb.	Mucosa glass 1 oz. 1.
Glycerin 4 lb.	Mucosa glass 1 lb. 1.
Oliva Olum 4 lb.	Spiritus 5 in 1.
Salutar. castu. comp. 1 oz.	Susp. Harp. 1 bottle.
Salut. Bicarb 1/2 lb.	Emulsion, Official, 50.
Salut. at Ind. Nat. 4 lb.	" Small, 50.

## Paymaster's Department.

12 Bk. Beef.	40 Cotton Handkerchiefs.
16 " Pork.	1 Box Glassing.
20 Bk. Canned Beef.	200 Spool Cotton.
15 " Soap.	600 " Silk.
10 " Tobacco.	4 Package Pearl Buttons.
12 " Candles.	2 Bk. Butter.
4 Bk. Coffee.	4 " Vinegar (1/2 full).
12 " Beans.	2 Case Apples.
11 " Flour.	9 Pkg Pickles.
2 " Pine.	4 " Molasses.
4 Case Shins.	12 1/4 Bk Tea.
2 Bk. Paper.	
96 Fine Combs.	
10 Blue Ribbon.	
12 " Lace.	

## Store in Construction Department.

6 Case Glass.	25 Gall. Linseed Oil.
1 Glass Diamond.	25 " Turpentine.
3 Case Hammer.	3 gal. Japan Oil.
110 lb. Sheet Lead.	50 lb. Putty.
3 Large Sawhorse. Iron.	29 Assorted Tools.

Land, buoy. Light  
trials. Steam pressure

B. T. Moore  
Ensign -  
from H. H. C. Pishing  
the 4th, passed at  
not in then back to

James K. Cozeny  
Lt. Ship riding to the  
the transport in four  
L. Cozeny

Ensign -  
Lying out of  
to swing to flood,  
motion, Equilibrium,  
stone at per  
25 lb. Distilling -  
L. Cozeny

Ensign -  
first time, lying  
stone for sea. Head  
5 - Pile in four boiler

B. T. Moore  
Ensign -  
on 2. H. At 6 got  
am in four boiler -  
distant one mile -  
a starboard bow  
15 ft. - aft 16 ft.  
L. Cozeny

Ensign -  
H. H. Hydrometer  
Revolutions 42 -

Lt. Cozeny  
Lt. Cozeny



Medical Department.

96 Fine Corns.  
10 Blue Pills.  
12 " Pills.

Store in Construction Department.

6 Pine Glass.  
1 Glass Diamond.  
3 Glass Hammer.  
110 lb. Blue Lead.  
3 Large Ratchet. Brass.  
30 Multi Band Paper.  
3 lb. Blue Glass.  
25 1/2 lb. White Lead.  
12 " Lime.  
16 Tiles.  
18 1/2 lb. Black Paint.  
1 lb. Vermilion.  
1 lb. Cassian Blue.  
80 lb. Chrome Green.  
5 lb. " Yellow.

Equipment Department.

16 Coils Manila Rope  
2 " Hemp "  
4 1/2 lb. Lime

Engineer Department.

60 lb. Turpe Packing.  
25 lb. Blue Putty 1/8.  
25 lb. " " 1/16.  
40 Fine Bricks.  
6 Hickory Branch.  
75 lb. S. W. Soap.  
12 Scoop Shovel.  
4 1/2 lb. Oil.

25 Gall. Linseed Oil.  
25 " Turpentine.  
3 gal. Japan Dye.  
50 lb. Litharge.  
29 Assorted Tiles.  
2 lb. Coffee Tack.  
1 lb. Iron "  
3 Fine Iron Screws.  
1 " Brass "  
10 lb. Coffee Hairs Assorted.  
70 lb. Cut Iron Hairs.  
15 Paint Brushes.  
3 Pair Brass Hinges.  
2 Varnish Brushes.  
1 Oil Stone.

10 lb. Cotton Twine  
12 lb. Flax "

Engineer Department.

3 Best Brushes.  
15 Bricks Brick.  
390 lb. Cotton Waste.  
2 Gal. Japan Dye.  
20 lb. Black Lead.  
12 Scrubbing Brushes.  
12 Tiles.

100 lb. White Lead Paint & 2 1/2 lb. Lime.

4 - Land Buge. Light  
boiler. Steam furnace

J. T. Moore

Engineer.

H. H. C. Picking  
H. H. C. Picking  
and then back to

Emm R. Cozswell

Limit.

Ship riding to the  
hampstead in four

in K. Custer

Limit.

deying out of  
sailing to flood,

time, Equipments,  
stone as per

25 lb. Distilling

G. Lundy

Engineer.

first hour, deying  
tone for sea. H. H. C.

Tile in four boiler

J. T. Moore

Engineer.

on S. H. At 6 got  
am in four boiler.

disturb one mile -  
in Starboard bow

15 feet. At 16 feet.

L. Cozswell

Limit.

H. H. C. Picking  
Revolutions 42 -

limit 12. Custer

Limit.

128



1878.

Commenced and until 4 A.M. Clear & pleasant. Hazy. Land breeze. Light variable air. Moon set at 12-15. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling. Riding to the tide.

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 A.M. Hazy. Warm. Gentle breeze from N.E. Riding to the tide. A tide pipe across the bay & working for the tide, found at 5. At 7 commenced to swing to flood, swung half round & then back to N.E. Received one load of wood in Equipment Dept.

(Signed) James R. Cogswell

Lieut.

From 8 to Noon. Clear. Warm. Light breeze from N.E. Ship riding to the tide. Received in Pay Dept. 65 bags of bread. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Clinton K. Curtis

Lieut.

From Noon to 4 P.M. Clear. Warm. Light S.E. breeze, dying out & shifting to S.W. In, Cum, Mist, clouds. At 12.45 commenced to swing to flood, swung partially & then back to N.E. Received in Construction, Equipment, Navigation, Medical & Engineer Departments, also Paymaster, stores as per appended list. Fire tanked in four boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy

Ensign.

From 4 to 6 P.M. Partially cloudy. Warm. Moderate breeze first from, dying out to light air from N.W. Hazy. Making preparations for sea. Wind fine at 5-25. Brought to chain & down shot at 5.50. Fire in four boilers to the tide.

(Signed) Charles F. T. Moore

Ensign.

From 6 to 8 P.M. Cloudy & pleasant. Gentle breeze from S.W. At 6 got underway & stood out of the Fanning Harbor with steam in four boilers. At 7.40 stop departure. Papa Island Light bore (true) N. distant one mile. Put ship on her course S.W. by S. A gentle light in sight on starboard bow at end of watch. Draught forward 14 feet. Amidships 15 feet. Aft 16 feet.

(Signed) James R. Cogswell

Lieut.

From 8 to Midnight. Clear. Pleasant. Gentle breeze from N.E. Hydrometer 25. Steaming with four boilers. Steam pressure 50 lbs. Revolutions 42.

(Signed) Clinton K. Curtis

Lieut.

Moore's View 2nd gr, Dec 11/78

Examined and found to be correct.

(Signed) Alva Walpole

Lieut.

Navigator.



Steamer "Eury"

Rate, 6 Guns,

On Passage from Rio de Janeiro to Santos, Brazil.

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1	4 0	D. H. 1/4 H.	North	0.1	29.88	80	82	80	77	bc	Cum	3	5	
2	2 0	"	"	0.1	29.87	80	82	80	78	"	"	3	"	
3	3 0	"	E. N. E.	2.3	29.87	78	80	78	78	bc	"	4	"	
4	3 7	"	"	2.3	29.85	78	80	78	78	"	"	4	"	
5	3 15	"	"	3	29.85	78	80	78	80	"	"	5	"	
6	3 7	"	E. 1/4 N.	3	29.86	78	80	78	81	"	"	5	"	
7	3 1	"	E. N. E.	2	29.87	78	80	78	81	"	"	5	"	
8	2 5	"	"	2	29.89	79	81	79	81	"	"	5	"	
9	1 6	"	H. E.	2	29.92	81	82	81	81	"	Cum	6	"	
10	1 0	"	"	1	29.94	81	83	82	82	"	"	7	"	
11	1 0	"	"	1	29.93	81	83	82	82	"	"	7	"	
Noon.	4	"	"	1	29.93	82	84	83	82	"	"	7	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time 0 knots 5 <sup>1/2</sup> miles per hour, setting to the S. by W.55 knots 1 <sup>1/2</sup> miles

Latitude 23° 48' 36"

Longitude 43° 46' 12"

Latitude 23° 57' 00"

Longitude 43° 59' 00"

Variation of the Compass by Amplitude observed at Sunrise

625 Variation of the Compass by Azimuth observed at <sup>1/2</sup> P.M. (Lat 23° 53' N. Long 43° 56' W.) W. 3° 10'

Water expended during the preceding 24 hours

300 gallons.

Water consumed during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

1 tons 2110 lbs.

Coal remaining on hand at Noon

118 " 1050 "

P. M.	Knots.	Course steered.	Direction.	Force.	Barometer.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	1	H. 3/4 S.	South	1.2	29.93	82	86	83	83	bc	Cum	4	5	
2	2 6	"	"	2	29.91	81	84	82	83	"	"	3	"	
3	2 8	"	E. 1/4 E.	2	29.90	81	84	82	83	"	"	2	"	
4	2 9	"	"	2	29.90	81	83	81	83	"	"	2	"	
5	2 6	"	E. S. E.	2	29.90	81	83	81	83	"	Cum	4	"	
6	2 6	"	"	2	29.90	81	83	81	83	"	"	4	"	
7	1 8	"	E.	2	29.92	81	83	81	83	"	"	2	"	
8	2 1	"	"	2	29.94	81	83	81	83	bc	Cum	1	"	
9	3 3	H. 1/2 S.	E. 1/4 E.	3	29.96	81	83	81	83	bc	"	0	"	
10	3 6	"	"	3	29.98	81	83	81	83	"	"	0	"	
11	2 0	"	"	2	29.94	81	83	81	83	bc	Cum	4	"	
Mid.	2 3	"	H. E.	3	29.93	81	83	81	83	"	"	5	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

Lat 24° 11' S.  
Long 44° 20' W.All plain sail  
F. T. M. S. S.Prep'd Mainail-  
Spanker & gaff  
not sail.All plain sail  
except M. sail.  
with spanker  
and jib.



under the command of

Commander Winfield Scott Pillsbury  
Wednesday February 15<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Partly cloudy. Light air from N. first part. Light breeze from E.N.E. latter part of watch. At 12.30 made all sail except gaff topsail & S.F.M.S.P. At 12.20 tacked fine in two trills & allowed fine to die out in two. Uncoupled forejigger. At 2.30 set gaff topsail. At 2.45 wind shifting, took in M. sail, sprang & gaff topsail. At 3 set gaff topsail & sprang. Fine tacked in two trills. Steam pressure 25 lbs. Hydrometer 25. Distilling.

(Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Quite breeze from E.N.E. first part, decreasing to light breeze latter part. Moderate swell from E. Ship rolling easily. Got up and set mainsail. Hydrometer at 8, 25. Fine tacked in two trills. Steam pressure 25 lbs. Distilling. Passed through several side pipe. Round Europe stack.

(Signed) Charles J. T. Moore Ensign.

From 8 to Noon, Cloudy & Warm. Hazy. Light breeze from N. Stead course S.W. by W. until 12 when breeze became light & variable shifting to N.W. Hauled up course & hoisted up on the port tack. Sea smooth. Light swell setting to the S.W. Density of sea water 25 at 10. At end of watch close hauled on port tack heading N.E. by E. On sail in sight. At 10 set M. sail up. Distilling. Land in sight on starboard beam.

(Signed) James K. Cogswell Ensign.

From Noon, to 4 P.M. Cloudy Warm & pleasant. Light breeze from S. by E. by E. Barometer falling slowly. Hydrometer at 9, 25. At 12.15 changed course to N.W. by W. At 12.45 set S.F.M.S.P. M. sail, sprang & gaff topsail. Fine tacked in two trills. Steam pressure 25 lbs. Distilling. Land in sight at end of watch.

(Signed) Clinton L. Curtis Ensign.

From 4 to 6 P.M. Partly clear Warm. Quite E.N.E. breeze. Sea smooth. No clouds. At 5.45 stopped distilling. Allowing steam to run down. Took Hydrometer at 6, stood 25. Fine tacked in two trills. Two sail in sight at end of watch, one 2 jibs abaft 1st & 2nd, the other 2 jibs on port bow.

(Signed) Samuel C. Lundy Ensign.

From 6 to 8 P.M. Cloudy. Pleasant Warm. Light breeze from E. Sea smooth. Lightning to N.E. At 7.40 sprang away. Took in M. sail, sprang & gaff topsail. At sunset anchored at anchor. Fine tacked in two trills. Hydrometer 25.

(Signed) Charles J. T. Moore Ensign.

From 8 to Midnight, Clear & pleasant. Wind moderate, freshening at times, blowing from N. to N.E. Land breeze began to waft at 8.30. Lightning in horizon to the N. first the horn of watch, cleared up at 10. At 8 changed course to N.W. by W. Sea smooth. Fine tacked in two trills. Density of sea water 25.

(Signed) James K. Cogswell Ensign.

Moon's Phase, 2<sup>nd</sup> gr. Dec. N. 27°

(Signed) Ada Walpole Ensign.



Steamer "Essex"

3<sup>rd</sup> Rate, 6 Guns.

On Passage from Rio de Janeiro to Santos Brazil.

Hour.	Knots.	Tide.	Current strength.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. str'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1	4 0	A. 1/2 S.	N. E. by N.		3	29.90	81	83	80	83	b2	Cum 9		All plain sail
2	4 4	"	"		3	29.88	81	83	80	83	"	" 8		Single reefed M. sail
3	4 4	"	"		3	29.88	81	84	82	83	"	Cum 8		
4	3 0	"	"		3	29.88	81	84	82	83	"	" 8		
5	3 6	"	E. by N.		3	29.90	81	84	83	83	"	" 8		
6	4 0	"	"		3	29.88	82	84	83	84	"	Cum 8		Except P. M. S. S.
7	3 8	A. 1/4 S.	"		3	29.95	82	84	83	85	"	" 8		
8	3 0	A. 1/2 S.	"		3	29.96	82	85	83	85	"	" 9		
9	4 4	"	E. N. E.		3	29.96	83	86	84	85	"	Cum 6		
10	4 6	A. 1/4 S.	E. by N.		3	29.96	84	86	85	85	"	" 5		
11	3 5	A. 1/2 S.	"		2	29.95	85	88	86	86	"	" 6		
Noon.	2 8	"	E.		2	29.95	86	89	88	87	"	" 6		

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time 0.5 knots per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

75 knots 9  
 Lat 24.04.18  
 Long 45.21.00  
 Lat 24.15.40  
 Long 45.29.15

Tide

P. M.	Knots.	Tide.	Current strength.	Direction.	Force.	Barometer.	Ther. str'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	2 0	N. N. W. 1/2 W.	E.		2	29.94	86	88	87	87	b2	Cum 8		All plain sail
2	2 5	"	E. S. E.		3	29.93	85	89	87	87	"	" 8		Masted fuel
3	3 5	"	E. E.		4	29.91	84	88	87	87	"	" 8		
4	5 4	"	"		3	29.92	84	88	87	87	"	" 8		
5	6 4	"	"		2.5	29.92	85	92	88	88	"	" 8		
6	6 6	"	"		2.5	29.94	86	91	89	88	"	" 8		
7	4 6	N. N. W. 1/2 W.	"		2	29.92	85	90	89	88	"	Cum 8		
8	6 0	A. 1/4 S.	N. W.		3	29.92	85	90	84	88	"	" 9		Heaving four times
9	5 5	N. N. W. 1/2 W.	"		2	29.95	85	88	84	88	b2	" 9		
10	Heaving into Santos	"	N. N. W.		1	29.97	84	86	84	88	b2	Cum 9		
11	At anchor	S. S. E.	N. E.		1	29.97	84	86	84	84	b2	Cum 9		
Mid.	At anchor	S. S. W.	"		1	29.97	84	86	84	84	"	" 9		

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Schley  
Thursday February 14<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Gentle breeze from N.E. by N. Bright moonlight first two hours. Moon set at 2. Fire hauled in two trils. Steam pressure 25 lbs. Density of sea water 25 at 2.

(Signed) Clinton L. Curtis  
Lieut.

From 4 to 8 A.M. Clear. Warm. Light E. by N. breeze. Cir. Cum. Wind. Clouds. At 6 changed course to N. 1/4 S. At 7.30 set sprinker, 9 aft topsail & F. set. At 7.45 changed course to N. 1/2 N. Hydrometer 25. At 8.30 started distiller. Fire hauled in two trils. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Ensign

From 8 to Midnight. Partially cloudy. Warm. Gentle breeze, dying out to light breeze, varying from E to E.N.E. Sea smooth. At 9 changed course to N. by N. At 9.15 independent at quarter. At 10.50 changed course to N. by N. 1/2 N. Fire hauled in two trils. Steam pressure 25 lbs. Distilling. Density of sea water 25.

(Signed) Charles J. T. Moore  
Ensign

From Midnight to 4 P.M. Clear & Warm. Hazy. Wind varying from a light to a moderate breeze. Sea smooth. Long swell from E. Exchanged color with a Brazilian flag. Two sail in sight. At 3.25 started steam in four trils. Course N. N. W. 1/2 W. Density of sea water 25. At 1 furlot mainmast. Highest point of of Alcatraz Island bore N. at 4 P.M.

(Signed) Samuel L. Cogswell  
Lieut.

From 4 to 6 P.M. Clear & Warm. Gentle breeze from S.E. Barometer rising. Density of sea water 24. At 5.25 stop in & furlot port & starboard sails, also flying jib & furlot. At 5.30 stop in furlot port & starboard & hauled down jib. Steaming with four trils.

(Signed) Clinton L. Curtis  
Lieut.

From 6 to 8 P.M. Clear. Warm. Gentle breeze from S.E. first part, light N.W. breeze last hour. At 7 sighted light ahead. At end of watch light bore N. N. W. Steaming four trils. Steam pressure 40 lbs. Revolution 32. At 6.15 changed course to N. N. W. 1/4 W. At 7 changed course to N. by N. Hydrometer 25.

(Signed) Samuel C. Lundy  
Ensign

From 8 to Midnight. Clear. Warm. Hazy. Light air, varying from N.W. to N.E. Bright moonlight. Steaming into Sault Ste. Marie first part. At 10.20 came to in the mouth of Sault Ste. Marie, in 6 1/2 fathoms water, 30 fathoms port chain. Soft bottom. Draught forward 14 feet. Amidships 15 feet. Aft 16 feet. Hauled fire & started distiller.

(Signed) Charles J. T. Moore  
Ensign

Monie Chan 2<sup>nd</sup> Lt. Dec. 12.5°

(Signed) Dea Harper  
Lieut.

Navigator.



Paulo Pin, Brazil

Hour.	Knots.	Tide.	Course steered.	WINDS.		Leeway.	BAROMETER.					TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in 10ths.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.								
A. M.																			
1	Flood	P.H.	W.H.H.	1			29.95 83	85 85				62	61	61			7		
2		H. & H.	"	1			29.95 83	85 85				"	"	19			"		
3		H.	"	1			29.94 83	84 83				"	"	19			"		
4		H.	"	1			29.94 81	84 83				"	"	19			"		
5	E.H.	H. & H.	Calm	0			29.94 81	84 82				"	"	18			"		
6		H. & H.	H. & H.	2			29.94 81	84 82				"	"	8			"		
7	Flood	P. & H.	"	1.2			29.95 83	85 82				"	"	8			"		
8	"	"	"	1.2			29.97 85	85 82				"	"	8			"		
9	"	P. & H.	Calm	0			29.97 85	86 84				"	"	8			"		
10	"	P. & H.	P.	2			29.98 85	87 85				"	"	7			"		
11	"	"	"	2			29.98 85	88 86				"	"	7			"		
Noon.	"	"	"	2			29.99 87	90 87				"	"	8			"		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

2 tons 1890 lbs.

Coal remaining on hand at Noon

112 " 2180 "

Tide.																			
P. M.																			
1	Flood	P. & H.	P. & H.	2			29.99 88	90 88				62	61	61			8		
2	"	P. & H.	"	2			29.99 88	91 88				"	"	8			"		
3	2 3	P. & H.	"	2			29.97 88	91 88				"	"	8			"		
4	7 5	"	P. & H.	3			29.95 88	89 87				"	"	7			"		
5	5 4	"	P. & H.	3			29.94 86	88 86				"	"	2			"		
6	3 4	"	P. & H.	4			29.93 85	87 85				"	"	2			"		
7	6 9	"	P. & H.	4			29.93 84	86 84				"	"	6			"		
8	4 4	P. & H.	"	4			29.95 84	86 85				"	"	3			"		
9	5 5	"	"	4			29.95 84	85 84				"	"	7			"		
10	5 5	"	P. & H.	3			29.97 88	84 88				"	"	7			"		
11	5 2	"	"	3			29.97 88	84 88				"	"	7			"		
Mid.	4 0	"	"	2			29.98 83	84 83				"	"	8			"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

Lat. 24° 35' Long. 46° 25'

Steam 2/3 full 3/4 aft

Sail alone

All plain sail up to 5 P.M. &amp; S.



under the command of *Commander Winfield Scott Riley*  
*Friday February 15<sup>th</sup>*

U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Warm. Light air from W. N. W.

(Signed) *James K. Cogswell* *Lieut.*

From 4 to 8 A.M. Clear & warm. Calm first part. Light breeze from N. N. E. latter part. Black water at 6. Commenced to swing to flood at 6.30. Engaged in heaving off bow beam. Five tamped in four trials. Time of swinging to flood 3.05.

(Signed) *Clinton K. Curtis* *Lieut.*

From 8 to Midnight. Clear. Warm. Hazy. Calm first hour. Light sea breeze remainder of watch. Sent an officer ashore to communicate. At 11 took log. current about .1 - Five tamped in four trials. Steam pressure 25 lbs.

(Signed) *Samuel C. Lundy* *Ensign.*

From Midnight to 4 P.M. Clear. Warm. Hazy. Light breeze from S. by W. first part, shifting to S. E. At 2 got underway. Steaming with four trials. At 2.40 stop departure. Lat.  $24^{\circ} 02' 15''$  N. Long.  $46^{\circ} 28' 15''$  W. At 3.20 set all fore and aft sail. Draught forward 14 ft. Amidships 15 ft. Aft 16 ft.

(Signed) *Charles F. Moore* *Ensign.*

From 4 to 6 P.M. Cloudy. Warm. Hazy. Gentle breeze first part, increasing to moderate breeze. Wind shifting from S. to E. At 6 set fore sail. At 5.30 changed course to S. At end of watch Concorde (P. & S. Co.) N. S. W. Density of sea water 24. Sea smooth.

(Signed) *James K. Cogswell* *Lieut.*

From 6 to 8 P.M. Cloudy. Pleasant. Moderate breeze from S. E. by E. Foremast rising. Density of sea of sea water 25. At 7 called "wraps sail" - Made sail to royals, except main sail. Unconspicuous reef pulled and hauled five.

(Signed) *Clinton K. Curtis* *Lieut.*

From 8 to Midnight. Clear. Pleasant. Breeze. Moderate S. E. by E. breeze, first hour. Gentle breeze shifting to E. remainder of watch. Bright moonlight. At 9.30 set single reefed main sail. At 10 density of sea water 25.

(Signed) *Samuel C. Lundy* *Ensign.*

Moon's Phase 2<sup>nd</sup> q<sup>r</sup>. Dec.  $42^{\circ}$

Examined and found to be correct.

(Signed) *Ada Walpole* *Lieut.*

Navigator.



## LOG of the UNITED STATES

Steamer "Emp"

1<sup>st</sup> Rate, 6 Guns,

On Passage from Santos to St. Catharina, Brazil

*Lat. S. 25° 46' 30"*  
*Long. W. 46° 50' 30"*

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				Form of Clouds, by symbols.	Prep of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.				
M.													
1	3 2	S by W. E. H. E.		2	29.98	83	84	82	86	bc	6	6	All plain sail
2	3 0	"	"	2	29.97	83	84	82	86	"	"	7	except F.T.M.S.S.
3	3 1	"	East	2	29.95	83	84	82	86	"	"	6	"
4	3 9	"	E by S	3	29.95	83	84	82	86	"	Sum	5	"
5	5 2	"	E. by E.	4	29.98	81	83	81	86	"	"	1	"
6	5 8	"	"	4	29.98	81	83	81	86	"	"	5	"
7	7 4	"	E. by S.	5	30.00	81	83	81	86	"	"	7	"
8	4 0	S. by W.	"	5.6	30.01	82	84	82	86	"	"	5	Set F.T.M.S.S.
9	6 5	S. W. 1/2 S.	"	4	30.04	83	85	82	86	"	"	5	"
10	6 4	"	"	4	30.05	83	86	83	86	"	Sum	5	Torp in F.T.M.S.S.
11	6 0	"	"	4	30.04	83	86	83	86	"	"	4	"
Noon.	8 0	"	"	4	30.03	84	87	83	86	"	"	6	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

115 knots 6 miles  
 Lat. 25.53.57.  
 West 46.57.33.  
 Lat. 25.58.53.  
 West 47.03.15.

250 gallons.

2000 "

tons 1690 lbs.

112 490 "

Lat. S. 26° 39' 30"  
Long. W. 47° 40' 15"

Twister

P. M.													
1	6 6	S. W. 1/2 S.	E by S	4	30.02	84	87	84	86	bc	6	S	All plain sail
2	6 4	"	E. H. E.	4	30.01	84	87	84	86	"	"	5	except F. T. M. S. S.
3	6 2	"	"	4	30.00	83	87	84	86	"	"	4	"
4	6 2	"	"	4	29.98	83	86	83	86	"	"	4	"
5	5 9	"	"	4	29.98	83	85	83	86	"	"	6	"
6	6 5	"	"	5	29.99	83	85	82	86	"	"	5	"
7	7 4	"	"	5	29.99	83	84	81	85	"	"	5	"
8	7 4	"	"	5	29.99	83	84	81	85	"	"	5	"
9	6 8	"	"	4.5	30.01	83	84	82	85	"	"	5	"
10	5 8	"	"	4.5	30.02	83	84	81	85	"	6 mi	5	"
11	5 6	"	"	4.5	30.03	83	84	82	85	"	"	4	"
Mid.	6 0	"	N. E. 1/4 E.	4.5	30.03	83	84	82	85	"	"	5	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of

Commander Winfield Scott Kelly  
Saturday February 16<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear & pleasant. Light breeze from E. N. E. shifting to E. by S. & freshening to gentle breeze. Bright moonlight. Density of sea water 25.

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Wind moderate until sunrise (about 5.30) when it increased to a fresh breeze blowing from E. Sun, faint, clouds. Ship on the course S. by W. until 7.30 when course was changed to S. by E. Wind on point abast the beam. Sea smooth. Increasing. Ship steady. Density of sea water 25.

(Signed) James V. Cogswell

Lieut.

From 8 to 11 A.M. Partially cloudy. Warm. Moderate breeze from E. by S. Barometer falling slowly. Density of sea water 25. At 9.15 changed course to S. by E. At 9 hauled down & lowered to T. M. S. S. Moderate breeze from E. Ship rolling easily.

(Signed) Clinton K. Curtis

Lieut.

From 11 A.M. to 4 P.M. Clear Warm. Moderate breeze from E. by S. first hour, from E. N. E. remainder of water. Sun, Sun, clouds. At 3 density of sea water 25. Ship rolling easily.

(Signed) Samuel C. Linsley

Ensign.

From 4 to 6 P.M. Clear Warm. Moderate to, stiff breeze from E. N. E. Sea moderate from E. N. E. Ship rolling easily. Lighted the rail during water. Density of sea water.

(Signed) Charles F. T. Moore

Ensign.

From 6 to 8 P.M. Wind steady in force, fresh from E. N. E. Sea moderate. Ship rolling easily, about to maximum. Long swell setting to the N. Sun, Sun, clouds. Shining the corner S. W. 1/2 S. Two lights in sight on the bow, distant about 10 miles. Density of sea water 25.

(Signed) James V. Cogswell

Lieut.

From 8 to Midnight. Partially cloudy. Pleasant. Moderate to fresh breeze from E. N. E. shifting to N. E. by W. Barometer rising slowly. Density of sea water 25. At 11 took in mainsail, spanker & gaff topsail and squared away. Moderate sea from N. E. Ship pitching and rolling easily.

(Signed) Clinton K. Curtis

Lieut.

Moon's Phase 2<sup>nd</sup> Qr. Dec 17<sup>th</sup>

(Signed) A. A. Halper

Lieut.

Examined and found to be correct.

Navigator.



Hour.	Knots.	Tide.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1	5 8	P.H. 1/2 S	H.E.		4	30.01	82	85	83	85	bc	6	3	1/4	Sail alone
2	5 3	"	"		4	29.98	82	85	83	84	"	"	3	"	"
3	5 8	"	"		4	29.98	82	85	83	84	"	"	2	"	"
4	1 0	E. 1/2 E.	H. 1/2 E.		4.6	29.97	83	84	82	84	bc	"	1	"	Torp in fogale and 1/2 sails
5	0 0	H. 1/2 S	H.E.		5	29.96	83	84	82	84	bc	"	2	"	Torp in Spanish
6	2 8	S. 1/2 S	"		5	29.97	83	84	82	84	"	"	1	"	Let Trossail
7	5 0	S. 1/2 S	H. 1/2 S		5	29.99	83	84	82	84	"	"	3	"	Torp in Trossail
8		Steaming into	H. 1/2 E.		5	30.00	83	85	83	83	"	"	2	"	"
9		St. Catharina	H. 1/2 S		5	30.01	82	85	83	83	"	"	8	"	Steam.
10		Flot	H. 1/2 E.		5	30.01	83	85	83	83	0	"	0	"	"
11		H. 1/2 E.	H. 1/2 E.		5	30.00	84	87	84	84	bc	"	1	"	"
Noon.	1 6	H. 1/2 S	H. 1/2 S		5	29.99	85	87	84	84	"	"	1	"	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Tide.

P. M.	Knots.	Tide.	Course steered.	Direction.	Force.	Barometer.	TEMPERATURE.	State of the Weather.	Form of Clouds.	Prop. of Clear Sky.	State of the Sea.	Record of the mill.
1	Flot	H. 1/2 E.	H. 1/2 E.		5	29.96	85	88	85	bc	6	3
2	1 0	"	"		5	29.95	85	88	85	"	"	5
3	"	"	"		5	29.95	86	88	84	"	"	5
4	6 4	H. 1/2 S	"		5	29.90	86	87	84	"	"	5
5	"	H. 1/2 S	"		5	29.90	84	87	84	"	"	6
6	1 6	H. 1/2 S	"		5	29.90	83	87	84	"	"	7
7	"	"	"		4	29.91	83	86	84	"	"	4
8	"	"	"		3	29.92	83	86	83	"	"	3
9	1 0	"	"		4	29.93	83	86	83	0	"	0
10	Flot	H. 1/2 E.	"		3	29.95	83	86	83	"	"	0
11	"	"	"		3	29.95	83	86	83	odrk	"	0
Mid.	"	"	"		2	29.94	83	86	83	"	"	0

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Phelps  
Sunday February 17<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy, pleasant. Moderate breeze from N.E. with moderate squalls last hour. Second Moonlight. At 12.10 hauled down 2 stored flying jib. At 2.30 took in royal & top gallant sails. Pleasant fine in four toils. Hauled mainsails at 2.40 took in foresail. Let spanker & haul by the wind. At 2.30 sighted land ahead on starboard bow. Density of sea water 25.

(Signed) Samuel C. Remy  
Ensign.

From 4 to 8 A.M. Cloudy, pleasant. Stiff breeze ranging from N.E. to N. by E. Sea moderate. Ship rolling easily. At 4.30 took ship to N. & N.E. At 5.30 squared away & stood in for St. Catharina. At 7.40 commenced steaming. Steam in four toils. Density of sea water 25.

(Signed) Charles J. T. Moore  
Ensign.

From 8 to Midnight, Cloudy & pleasant. Cir. Cum. Mist, clouds. Wind fresh, shifting from N. to E. Flood tide 1.6 knots per hour. Pistoning to wind and current. At 10 came to off Fort Santa Cruz in 5 1/2 fathoms water, ranging to 30 fathoms starboard chain. Drains at anchor. Light House, Fort Santa Cruz (or) N. 1/2 W. 1/2 W. Cannon Point E. & E. Jampet fine in four toils. Draught forward 15 ft 11 in. Amidships 14 ft 11 in. Aft 16 ft.

(Signed) James L. Cogswell  
Lieut.

From Midnight to 4 P.M. Partially cloudy. Warm & pleasant. Wind fresh from N.E. & E. Particulate falling. Sharp water at 3.15. Commenced to swing to at 3.45. Jampet fine in two toils. Distilling. Hauled fine in No. 5 & 7 toils at 2.

(Signed) Clinton L. Curtis  
Lieut.

From 4 to 6 P.M. Clear. Warm. Stiff N.E. breeze. Cir. Cum. clouds. At 4.40 swung to the at. Ship pitching through a very small sea. Pistoning to wind and at. At 6 hove log, current 6 knots. Jampet fine in two toils. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Remy  
Ensign.

From 6 to 8 P.M. Cloudy, pleasant. Moderate breeze from N.E. first hour, dying out to gentle breeze. Sea moderate from N.E. E. tide. Let fine lie out in two toils. Fine jampet in two toils. Distilling.

(Signed) Charles J. T. Moore  
Ensign.

From 8 to Midnight. Overcast. Damp. Misty. Moderate breeze first part, latter part light from N.E. Commenced to swing to flood at 9.30, swung at 10. Strength of at 1 knot per hour. Fine jampet in two toils. Distilling.

(Signed) James L. Cogswell  
Lieut.

Examined and found to be correct.  
Moon 1 hour 3" 9" 10" 10"

(Signed) Alva Walpole  
Lieut.



*Steamer Esmeralda*, 3<sup>rd</sup> Rate, 6 Guns,  
*St Catharina, Brazil*

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1	Flot	N. H. E.	N. H. E.	2.4	29.94	86	86	84		b. cl	1	2		
2	"	"	"	2.4	29.94	84	86	84		"	"	2	"	
3	1 0	"	"	2.4	29.92	84	85	84		b. cl	"	1	"	
4	"	"	"	2.4	29.92	82	84	83		or b. cl	"	0	"	
5	6 1/2	S. H.	Calum	0	29.93	82	84	83		"	"	0	"	
6	"	"	"	1	29.93	81	83	82		b. cl	"	1	"	
7	9	"	E. S. E.	1	29.93	81	83	82		b. cl	Clear	1	"	
8	"	"	"	3	29.94	81	83	82		b. cl	"	1	"	
9	Black	N. H. H.	N. H. E.	3	29.92	82	84	83		"	"	2	"	
10	Flot	"	"	3	29.90	82	84	83		"	"	2	"	
11	"	N. H. E.	"	3	29.90	83	84	84		"	"	1	"	
Noon.	6	"	"	3	29.90	85	88	84		"	"	4	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

1 tons 890 lbs.

Coal remaining on hand at Noon

108 " 310 "

P. M.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.					
1	Flot	N. H. E.	N. H. E.	2	29.89	86	89	86		b. cl	1	2		
2	1 0	"	"	2	29.87	86	89	86		"	"	3	"	
3	"	"	"	2	29.84	86	88	86		"	"	5	"	
4	Black	"	"	2	29.81	85	87	84		"	"	7	"	
5	6 1/2	S. H.	"	2	29.83	84	86	86		"	Clear	3	"	
6	1 5	S. H.	"	2	29.83	83	84	86		"	"	1	"	
7	6 1/2	"	"	3	29.84	83	84	83		or b. cl	"	0	"	
8	1 0	"	"	7.5	29.87	82	82	80		or b. cl	"	0	"	
9	"	N. H. H.	"	1	29.91	82	82	81		or b. cl	"	0	"	
10	Black	S. H. H.	"	1	29.91	81	82	81		or b. cl	"	0	"	
11	"	N. H. H.	"	2	29.89	81	82	81		or b. cl	"	0	"	
Mid.	6	N. H. E.	"	2	29.89	81	82	81		or b. cl	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Pelee  
Monday February 18<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencer and until 4 A.M. Cloudy & threatening. Light breeze from N.E. increasing in force to moderate breeze two feet lower. Vivid lightning around horizon, with thunder & slight sprinkling of rain. Violent thunder and rain storm last hour. Barometer falling. Fire tanked in two boilers. Distilling.

(Signed) Clinton V. Cushing  
Lieut.

From 4 to 8 A.M. Cloudy. Breeze. Raining during last hour, light passing showers last hour. Sea, cum. light clouds. Light air & calm first part of watch. Light breeze from E.S.E. shifting to N.E. At 7 hour log current 9 fathoms. Black water at 4. Pumping to start at 4.20. Very gentle swell from seaward.

(Signed) Samuel C. Lundy  
Ensign.

From 8 to Midnight, Cloudy. Warm. Light passing showers first hour. Gentle breeze from N.E. Commenced swinging to flood at 9.15. Got around to flood at 10. Gentle swell from N.E. At 9.15 inspected at quarters. Fire tanked in two boilers. Distilling. Comm. of Officer paid an official visit to Port. At 12 hour logged 9 fathoms.

(Signed) Charles F. T. Moore  
Ensign.

From Midnight to 4 P.M. Cloudy. Warm. Light breeze during watch from N.E. Flood tide. Black water at 3.40. Sea, cum. clouds. Espined companies D. & J. & Marine Guards at target practice with small arms. Fire tanked in two boilers. Distilling. Force of tide 1 foot per hour.

(Signed) Samuel V. Corzwell  
Lieut.

From 4 to 6 P.M. Cloudy & threatening. Warm. Light breeze from N.E. Commenced to swing at 4, & pump to start at 4.15. Fire tanked in two boilers. Distilling.

(Signed) Clinton V. Cushing  
Lieut.

From 6 to 8 P.M. Overcast & threatening first hour. Heavy thunder and rain storm, with wind from S.W. shifting to N. & E to S. Let go 1st and went to 30 fathoms forward of stern. Horn log at 7, current 1 foot. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Ensign.

From 8 to Midnight. Overcast. Raining. Light air from N. first two hours. Light breeze from S.W. last two hours. Thunder & lightning. Black water at 10. Got around to flood at 11.30. Fire tanked in two boilers. Distilling.

(Signed) Charles F. T. Moore  
Ensign.

Examined and found to be correct.

Moore Phas 3<sup>rd</sup> 97. Dec, H. 3°.

(Signed) Dea Halper  
Lieut.

Navigator.



*Steamer "Emp"* *1<sup>st</sup> Rate, 6 Guns,*  
*St. Catharina, Brazil*

Hour.	Knots.	Courses steered.	WINDS.		Leeway.	BAROMETR.					TEMPERATURE.			State of the Weather, by symbols.	Force of Gales, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.								
A. M.																		
1	Flood	H. H. E.	H. P. W.	1		29.88	80	82	80		0	Clear	10					
2	1 2	"	H.	1		29.86	80	82	80		"	"	0	"				
3		"	"	1		29.85	80	82	80		"	"	0	"				
4		"	H. H. E.	1		29.84	80	82	80		"	"	0	"				
5		Drifting	"	1		29.84	80	82	80		"	"	0	"				
6	Ebb	H. P. W.	"	1		29.85	80	82	80		"	"	0	"				
7		"	H.	1		29.85	80	82	81		"	"	0	"				
8	1 5	"	H. H.	1		29.86	80	82	81		"	"	0	"				
9		"	"	0.1		29.86	81	83	81		bc	"	1	"				
10	Drifting	L. H. E.	H. E.	0.1		29.87	81	84	82		"	"	1	"				
11		"	L. E.	0.1		29.86	83	85	83		"	"	3	"				
Noon.		L.	E.	0.1		29.85	83	87	85		"	Clear	4	"				

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water *Condensed* during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

1 tons 1450 lbs.

Coal remaining on hand at Noon

106 " 1100 "

P. M.	Knots.	Courses steered.	WINDS.	Leeway.	Height in inches.	Ther. at 11.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Gales, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Direction of the wind the vessel is under at end of watch.
1	Flood	H. E. by H.	H. H. E.	3	29.83	84	87	86		bc	Clear	4		
2	"	H. H. E.	"	3	29.80	85	87	85		"	"	3	"	
3	"	"	"	3	29.78	85	88	86		"	Clear	3	"	
4	1	"	L. H.	7	29.78	85	88	86		bc	"	0	"	
5	Ebb	L. H.	"	15.2	29.82	82	88	82		bc	"	0	"	
6	1 3	"	"	2	29.84	80	83	82		bc	"	0	"	
7	"	"	"	2	29.85	80	87	79		0	"	0	"	
8	1 5	L. P. W.	L. P. W.	2.5	29.86	78	79	77		bc	"	0	"	
9	"	"	"	5.5	29.89	77	77	75		bc	"	1	"	
10	"	"	"	5.8	29.90	77	78	75		bc	"	1	"	
11	"	"	"	5.8	29.88	78	78	75		"	"	2	"	
Mid.	"	"	"	5.7	29.88	78	78	75		"	"	1	"	

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander Winfield Scott Riley  
Tuesday February 19<sup>th</sup>

U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast & pleasant. Light air first  
three hours of watch from S.W. and S.W. by E. last hour from N.W. E. At 1 watch  
logged 12 fathoms in lower, starboard chain on stop. Time ran fast  
in two trials. Distilling.

(Signed) James K. Cozswell  
Lieut.

From 4 to 8 A.M. Cloudy, threatening. Light air from N.W. E. shifting  
to N.W. Commenced to swing at 4.45. Swung to E at 5.20. Hove  
up port anchor & got it ready for letting go. At 8 hove out sail to  
a bluntness. Time ran fast in two trials. Distilling.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight, Cloudy - Warm. Light variable air. Ship swinging to  
the buoy through all points of the compass. Sun, Sun, Wind, clouds.  
At 9.15 inspected at quarters. Engaged in pulling new traces. At  
9.35 stopped distilling. Time ran fast in two trials. Steam pressure 20 lbs.

(Signed) Samuel C. Leavelle  
Ensign.

From Midnight to 4 P.M. Cloudy & pleasant first part. Overcast & threatening  
last hour. Thunder & lightning. Distilling to flood. Current at 4.1 fathoms.  
Gentle breeze from N.W. E. shifting to N.W. E. At 3 fathoms sail. Time  
ran fast in two trials. Fresh squall from N.W. at 3.50.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 6 P.M. Overcast & pleasant. Heavy thunder storm during first  
hour of watch, with heavy fall of rain, lightning. Barometer 29.78  
hours, rising to 29.84 during watch. Fragments parted round to N.  
At 10 hove out 1.8 fathoms at 6. Turned off at 4. Time ran fast in two trials.

(Signed) James K. Cozswell  
Lieut.

From 6 to 8 P.M. Cloudy & raining. Wind light from S.W. increasing to  
fresh breeze last hour. At 10 hove out. Time ran fast in two trials.

(Signed) Clinton K. Curtis  
Lieut.

From 8 to Midnight. Cloudy - Pleasant. Strong wind with heavy squalls  
from S.W. At 8.25 hove out to 45 fathoms starboard chain. Sun, Wind,  
clouds. Ship riding to wind. Time ran fast in two trials. Steam  
pressure 20 lbs.

(Signed) Samuel C. Leavelle  
Ensign.

Moon Phase 3<sup>rd</sup> gr. Dec P. 3<sup>rd</sup>.

Examined and found to be correct.

(Signed) Ada Halper  
Lieut.

Navigator.



*Albatross* "E. Ship"  
*On Passage from St. Catharina, Brazil, to Montevideo, Uruguay*

Rate, 6 Guns,

*Twelve*

Hour.	Knots.	Course steered.	WINDS.		Baromet.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1	Flood	E. by S.	South	4.7	29.87	78	80	76		09	Clear	0	M	
2	"	E.	"	4.7	29.86	78	79	78		"	"	0	"	
3	"	"	"	3.9	29.86	78	79	78		"	"	0	"	
4	Sharp	S. by W.	S. by W.	3.6	29.86	78	79	78		"	"	0	"	
5	E. by S.	"	S. by W.	4.5	29.86	78	79	77		"	"	0	"	
6	"	"	"	3	29.87	77	78	76		"	"	0	"	
7	"	"	S. by W.	3.5	29.89	76	77	76		09	"	0	"	
8	"	"	"	3.5	29.90	76	77	76		"	"	0	"	
9	"	"	"	2.5	29.91	77	79	77		0	"	0	"	
10	Flood	"	"	5	29.92	78	80	78		"	"	0	"	
11	"	"	"	3.5	29.91	80	79	78		"	"	0	"	
Noon	Standing out of St. Catharina	"	"	3.5	29.90	80	82	79		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

4 tons 1790 lbs.

Coal remaining on hand at Noon

101 " 1550 "

*Twelve*

P. M.														
1	Standing out of St. Catharina	S. by W.	4.6	29.86	78	80	78		0	Clear	0	P		
2	"	"	4.6	29.82	78	80	78	78	12	"	1	"		
3	"	"	4.6	29.81	78	80	79	80	"	"	1	"		
4	"	"	5.6	29.81	78	80	78	82	"	"	1	"		
5	"	"	5.6	29.80	78	80	79	82	09	"	1	"		
6	"	"	5.7	29.80	78	80	79	82	"	"	0	"		
7	"	"	5.7	29.80	78	79	78	82	09	"	0	"		
8	"	"	5.7	29.80	78	79	78	82	"	"	0	"		
9	"	"	5.6	29.81	78	79	78	82	12	"	0	"		
10	"	"	3.5	29.81	78	79	78	81	"	"	1	"		
11	"	"	2.5	29.80	78	79	78	81	"	"	1	"		
Mid.	"	"	2.5	29.80	78	79	78	81	12	"	1	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Schley  
Wednesday February 20<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Cool. Wind fresh in squalls from S. Commenced swinging to flood at 12.40. Rising and wind fresh. Current two eddies. 2 fathoms. Slack water at 3.30.

(Signed) Charles B. T. Moore

Ensign.

From 4 to 8 A.M. Overcast & pleasant. Hazy. Sun, thin clouds. Wind fresh. Equally. Blowing from S. by W. first two hours, Eastward from S. by W. Partly clearing. Light breeze, logging at 8, 0.6 fathoms. Rising across wind and tide.

(Signed) James H. Cogswell

Lieut.

From 8 to 11 A.M. Overcast & cloudy. Fresh breeze from S. by W. decreasing at times to moderate breeze. At 8.45 crossed point of T. J. Gards, but light breeze & got ready for sea. At 10.35 called "up anchor". At 11 got under way and stood out of St. Catharina Bay. Draught forward 13 feet 9 1/2 inches. Amidships 14 feet 11 inches. Aft 16 feet.

(Signed) Clinton L. Curtis

Lieut.

From 11 A.M. to 4 P.M. Cloudy. Fresh breeze from S. blowing in puffs. Sun, thin clouds. At 12.45 set fore & aft sails, ran gaff topsail & flying jib. At 1.5 tops departed, Paper Point (pr) W. by N. 1/2 N. Judges Island (pr) S. At 1.20 made square sail to top gallant sail, except mainmast. At 2 tops in top gallant sails. Mainmast remaining sail, but foremast inched & set the sail at 3. Ship under way. Heavy cross sea motion. Roll 1/2 pitch through 10°. Steaming with four boilers. Steam pressure 50 lb. Per, 30. Full & by.

(Signed) Samuel C. Remy

Ensign.

From 4 to 6 P.M. Overcast. Fresh breeze with frequent squalls from S. & S. by E. Sea rough. Ship rolling & pitching heavily. Under two chains & toward three below. At 5.50 called all hands & took two reefs in topsails & single reef in foremast. Hauled down jib. Full & by. Steaming with four boilers.

(Signed) Charles B. T. Moore

Ensign.

From 6 to 8 P.M. Overcast & equally. Heavy weather. Strong breeze from South. Sea heavy & rolling to the W. Ship rolling & pitching regularly with occasional jerks. Mainmast roll 12° forward. Head of ship 5°. Clouds thin but & tinged with red to the S. and W. Steaming full & by on starboard tack. Barometer steady at 29.80.

(Signed) James H. Cogswell

Lieut.

From 8 to Midnight. Cloudy & equally, weather unsettled. Light breeze with stiff puffs from S. by W. Sea rough, moderating last hour. Ship pitching & rolling easily. At 9 unsuccessful pursuit of faintest fire. Density of sea water 25.

(Signed) Clinton L. Curtis

Lieut.

Examined and found to be correct.  
Moon 1 hour 5<sup>th</sup> gr. On 3 10°

(Signed) Ora Walper

Lieut.

Navigator.



Tuxtepec

On Passage from Pt. Catharina, Brazil, to Montevideo, Uruguay

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Ball.	Air Wet Ball.					
A. M.														
1	1	S. by E. 1/2 E.	S. by E.	4.6	29.77	78	79	78	83	bc	cu	5	P	Double reefed topsails
2	1	4 S. E. 1/2 E.	S. E. 1/2 E.	5 1/2	29.78	78	79	78	81	bc	"	6	"	reefed foresails
3	1	0 S. E. 1/2 E.	S. by E.	4 1/2	29.78	78	79	78	82	"	"	4	"	Wh. top sail and
4	1	2 S. E. 1/2 E.	S. by E.	4 1/2	29.77	77	78	77	82	bc	"	2	"	F. T. W. S. S.
5	1	1 S. E. 1/2 E.	"	4 3	29.78	77	78	77	82	bc	"	5	"	
6	1	2 S. E. 1/2 E.	"	4 3	29.79	78	79	78	82	"	"	3	"	
7	1	4 S. E. 1/2 E.	"	4 2	29.80	78	80	79	82	"	"	4	"	Shrove out masts, set
8	3	0 E. by S.	S.	4 1	29.82	78	79	78	82	"	"	3	"	set by T. J. sails
9	2	6 E. S. E. 1/2 E.	"	3 2	29.82	78	79	78	81	"	"	1	"	
10	1	5 E. by S.	S. E. 1/2 E.	2.3	29.82	77	79	78	81	0	"	0	"	
11	8	E. 1/2 S.	S. E. 1/2 E.	2 2	29.81	77	79	78	81	"	"	0	"	
Noon.	1	0 E.	S. S. E.	1.2	29.81	78	80	79	81	"	"	0	"	Set W. sail.

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 8 A.M. Lat. 27° 45' Long. W. 47° 02' 0 15' W.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Tuxtepec

P. M.	Knots.	Course steered.	Direction.	Force.	Barometer.	Ther. at'd.	Air Dry Ball.	Air Wet Ball.	Water at noon.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3	0 E. S. E. 1/2 E.	S. S. E.	2.4	29.82	79	80	78	81	ogd	cu	0	M	
2	2	6 E. by S.	"	2.5	29.81	77	77	76	81	"	"	0	"	
3	2	6 "	"	2.3	29.80	78	77	76	81	ogr	"	0	"	
4	2	5 E. 1/2 S.	S. E. 1/2 S.	2.3	29.80	78	77	76	81	bc	"	0	"	
5	1	0 S. E. 1/2 S.	S. E. 1/2 S.	3	29.79	78	78	77	81	bc	"	4	"	Set royal & jaff topsails
6	5	0 S. W. 1/2 S.	"	4	29.80	78	78	77	79	"	"	5	"	Set fly jib.
7	5	2 S. W. 1/2 S.	"	4	29.80	77	79	78	81	"	"	4	"	
8	4	0 S. W. 1/2 S.	"	4	29.82	77	79	78	81	"	"	5	"	Took in royal and
9	2	6 S. S. W. 1/2 W.	"	4 1/2	29.83	77	78	77	82	"	"	8	"	T. jib
10	2	4 S. W. 3/4 S.	"	4 1/2	29.84	77	79	77	82	"	"	2	"	
11	2	4 S. W. 1/2 S.	"	4 1/2	29.85	78	79	78	82	"	"	6	"	
Mid.	2	0 "	"	4 1/2	29.85	77	79	77	82	"	"	5	"	Rain sail to T. J.

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Thursday February 21<sup>st</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly clear. Pleasant. Trade breeze falling to moderate breeze from S.E. W. Obscured midnight. Sea, calm, clouds. Light passing across first & last house. A kind of cold steam motion. Poll & pitch about 10°. Fine tail put in four boiler. Steam pressure 20 lbs. Density of sea water 25.  
(Signed) Samuel C. Rumbly Ensign.

From 4 to 8 A.M. Cloudy. Pleasant. Moderate breeze from S.E. W. & S. Sea rough. Ships rolling & pitching heavily. Full & by. At 7.30 ship up out of hospital, set jib, gaff topsail & S.E. sail. Ship up out of foremast. Density of sea water 25. Fine tail put in four boiler. Steam pressure 20 lbs.  
(Signed) Charles J. T. Moore Ensign.

From 8 to 11 A.M. Overcast & pleasant. Light variable air. Occasional light squalls with sprinkling of rain. Heavily straggled at times. Long swell from S.E. Sea, calm, light clouds. Barometer steadily lost three hours of water. At 9.15 inspected at quarters. Examined compasses A & B with single strips. Handed fire at 10. Density of sea water 25. Rolling considerably at times, 15° to 20°.

(Signed) James K. Cogswell Lieut.

From 11 A.M. to 4 P.M. Cloudy, squally & raining, weather unsettled. Light breeze from S.E. with stiff gale part of watch. Barometer falling slowly. Moderate sea from S.E. & S. Ships rolling & pitching easily. Density of sea water 26.

(Signed) Clinton K. Curtis Lieut.

From 4 to 6 P.M. Partly clear. Pleasant. Light S.E. breeze, increasing to moderate at end of watch. At 4.30 topsail ship to S.E. & S. At 4.45 gaff topsail. At 5 closed royal yards & looked the sail. Set 5.45. Full & by. Under all sail, single reefed main sail.

(Signed) Samuel C. Rumbly Ensign.

From 6 to 8 P.M. Cloudy. Pleasant. Moderate breeze from S.E. & S. Sea moderate. Ships pitching easily. At sunset weathered at quarters. At 7.35 took royal & flying jib.

(Signed) Charles J. T. Moore Ensign.

From 8 to Midnight. Cloudy & pleasant. Moderate breeze from S.E. & S. Sea full at times. Sea moderate. Long heavy swell from S. Ships rolling & pitching moderately. Sea, calm, clouds. Moon rose at 9.10. Density of sea water 25.

(Signed) James K. Cogswell Lieut.

Examined and found to be correct.

Moon Phase 1<sup>st</sup> Q<sup>tr</sup> S. 16°.

(Signed) Sea Walker

Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Envy*  
*On passage from St. Catharina, Brazil, to Montevideo, Uruguay*

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in fms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.					
A. M.														
1	3 0	S. W. 3/4 E.	S. S. E.		54 1/2	29.85	77	79	76	81	bc	6 M	All plain sail	
2	2 5	S. W. 3/4 E.	S. S. E.		54 1/2	29.85	77	79	76	81	"	7 "	No P. F. sails and	
3	3 0	"	"		54 1/2	29.88	77	79	76	81	"	8 "	single reefed M. sail	
4	3 0	"	"		54 1/2	29.83	77	79	76	81	"	7 "	"	
5	2 6	"	"		2 1/4	29.85	77	78	75	81	"	7 "	"	
6	1 6	"	"		1 1/4	29.85	76	78	76	81	"	7 "	"	
7	3 0	H. S. H.	S.		3 1/4	29.88	76	78	76	81	"	4 "	"	
8	3 5	H. S. H.	"		2 1/4	29.88	76	78	76	81	"	3 "	"	
9	2 3	E. S. E.	"		3	29.90	77	79	77	81	"	6 "	"	
10	3 0	E. S. E.	"		3	29.90	77	79	77	82	"	5 "	"	
11	3 7	"	"		3	29.89	77	80	78	82	"	7 "	"	
Noon.	3 14	S. E. 1/2 E.	"		3	29.89	77	81	79	82	"	8 "	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M. Lat.  $28^{\circ} 22'$  Long.  $47^{\circ} 33'$  E.  $0^{\circ} 40'$ 

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

71 knots *4 fathoms*  
 $28^{\circ} 14' 12''$   
 $47^{\circ} 10' 00''$   
 $28^{\circ} 27' 00''$   
 $47^{\circ} 22' 00''$

250 gallons.

1500 "

tons 250 lbs.

100 " 1070 "

P. M.													
1	2	7	S. E. 1/2 E.	S. by W.	1/2	3	29.89	77	81	79	82	bc	Calms
2	2	10	S. E. 1/2 E.	"	1/2	3	29.89	78	81	79	82	"	"
3	2	6	"	"	1/4	2.3	29.90	78	81	78	82	"	"
4	2	2	"	"	1/4	2.3	29.90	78	81	78	82	"	"
5	2	5	"	"	1/4	2.3	29.90	78	81	78	82	"	"
6	2	6	E. S. E. 1/2 E.	"	1/4	3	29.90	78	81	78	82	"	"
7	3	0	E. 1/2 N.	S. E.	1/4	3	29.85	78	79	78	81	"	"
8	3	2	"	"	1/4	3	29.87	78	79	78	81	"	"
9	1	0	E.	"	1	29.88	79	78	77	81	"	"	9
10	0	5	"	Calms	0	29.88	79	78	77	80	"	"	9
11	No change way			"	0	29.87	79	78	77	80	"	"	9
Mid.	"	"	"	"	0	29.85	79	78	77	81	"	"	8

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott. Phelps*  
*Friday February 22<sup>nd</sup>*

, U. S. Navy,  
1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Gentle to moderate breeze from S.W. & S.E. Moderate sea from S.W. and E. Ship rolling & pitching easily. Barometer falling slowly. Moonlight bright. Density of sea water 26.  
(Signed) *Clinton K. Curtis* *Lieut.*

From 4 to 8 A.M. Partially clear. Pleasant. Light S.W. & breeze first part, and S.W. latter part of watch. Sea, Sun, S.W. clouds. At 6 set spritsail & 7.15 full & by - under all plain sail, single reefed mainmast. Density of sea water 25.  
(Signed) *Samuel C. Lundy* *Ensign.*

From 8 to Midnight, Clear. Pleasant. Gentle breeze from S. Full & by. Long swell from S.E. Ship rolling & pitching easily. At 9.15 sprung at pin quarter. East loose in 50°. Hauled in 9 m 32°. At 8 started ship. Density of sea water 26. Hoisted colors in honor of the day.  
(Signed) *Charles F. T. Moore* *Ensign.*

From Midnight to 4 P.M. Clear & pleasant. Moderate breeze from S.W. Long swell from S. Sea, Sun, clouds. Full & by - Ship rolling & pitching easily. Density of sea water 25.  
(Signed) *James W. Cogswell* *Lieut.*

From 4 to 6 P.M. Clear, Warm & pleasant. Light to gentle breeze from S.W. Barometer steady. Long swell from S. Ship rolling & pitching easily. Density of sea water 25.  
(Signed) *Clinton K. Curtis* *Lieut.*

From 6 to 8 P.M. Clear. Pleasant. Gentle S.E. breeze. Sea, Sun, clouds. At sunset mustered at quarters. At 6.45 cleared down fore royal & mizzen lee lift & brace. Full & by - A point of cork screw rotation. Roll and pitch about 10°. *(Signed) Samuel C. Lundy* *Ensign.*

From 8 to Midnight. Clear & pleasant. Light air from S. first hour, calm remainder of watch. Long swell from S. Ship rolling heavily. Moon rose at 9.45. Hauled life counter at 9.45. Density of sea water 25. At 10.30 took in spritsail & gaff topsail. *(Signed) Charles F. T. Moore* *Ensign.*

Moon Phase 3<sup>rd</sup> 9<sup>th</sup> Dec. D. 21°

Examined and found to be correct.

(Signed) *Wm. Walpole* *Lieut.*

Navigator.



Steamer "Essex"

Rate, 6 Guns.

Tenth

On passage from St Catharina, Brazil.

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETRE.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1		No. M. way	Calcut	0		29.88	78	77	82		bc	Ein	6	9	All square sail
2	"	"	"	0		29.90	78	78	82		"	"	"	9	fit by F.T.M.P.S.
3	"	"	"	0		29.87	78	78	82		"	"	"	5	"
4	"	"	"	0		29.86	78	78	81		"	"	"	8	"
5	"	"	"	0		29.88	78	79	81		"	"	"	5	"
6	"	"	"	0		29.88	78	79	81		"	bc	Ein	3	"
7	"	"	"	0		29.88	78	79	81		"	"	"	3	"
8	5	S.S.W.	N.E.	0.1		29.90	78	80	79	81	"	"	"	3	"
9	5	"	"	0.1		29.92	78	81	79	81	"	bc	Ein	2	Set for sail
10	1 0	"	"	0.1		29.92	79	82	81	81	"	"	"	7	"
11	1 0	"	"	0.1		29.92	79	82	81	81	"	"	"	7	"
Noon.	5	"	"	0.1		29.92	81	83	82	80	"	"	"	5	All plain sail

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time 1.1 knots per hour, setting to the South

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M. Lat.  $28^{\circ} 56'$  Long.  $46^{\circ} 58' 10''$  E.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Tenth

P. M.	Knots.	Course steered.	Direction.	Force.	Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	0	S.S.W.	N.E.	0.1	29.91	82	85	84	81	bc	Ein	3		All plain sail
2	1 6	"	"	1	29.90	83	86	84	82	o	bc	Ein	0	except M. sail
3	1 8	"	"	2	29.87	83	85	84	82	bc	"	2		Spanker & gaff
4	1 6	"	"	1	29.83	83	85	83	82	"	"	1		No sail!
5	2 5	"	"	3	29.86	83	84	82	82	"	"	8		
6	3 6	"	E.N.E.	3	29.86	83	84	82	82	"	"	7		
7	4 0	"	N.E.	3	29.84	82	84	82	82	"	"	14		
8	4 6	"	"	3.4	29.84	82	84	82	82	"	"	7		
9	6 0	"	"	4	29.87	82	85	82	82	"	"	14		Hauled down jib
10	6 5	"	"	4	29.90	82	82	82	81	"	"	6		
11	6 5	"	"	4	29.91	82	82	82	81	"	"	1		
Mid.	6 5	"	"	4	29.91	82	82	82	80	bc	"	1		All plain sail

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Phelps*  
to Montevideo, Uruguay - Saturday February 23<sup>rd</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear & pleasant. Calm. No storage way-  
air, sun, clouds passing from N. to S. Long swell from S. Ship rolling deeply.  
Density of sea water 26. Maximum roll 20°. (Signed) James K. Cogswell

From 4 to 8 A.M. Cloudy. Warm. Pleasant. Calm first three hours. Light  
air from N.E. last hour. S.E. swell. Ship rolling easily. Exchanged  
color with a large Italian steamer standing S.W. Density of sea  
water 26. (Signed) Clinton K. Curtis

From 8 to Merid, Clear. Warm. Very light N.E. & air. Sun, sun, thin clouds.  
Ship rolling & pitching through 16°. Density of sea water 26. At 8.25  
set foremast. (Signed) Samuel C. Lundy

From Merid, to 4 P.M. Cloudy. Pleasant. Light air to light breeze from  
N.E. Long swell from S.E. Ship rolling through 15°. On lower part of S.  
At 12.15 changed course to S.W. & S. Density of sea water 26. (Signed) Charles B. T. Moore

From 4 to 6 P.M. Clear & pleasant. Moderate breeze from N.E. first part,  
from E.N.E. last hour of water. Sun faint clouds. Long swell from S.E. Ship  
rolling deeply, pitching easily. Density of sea water 26. (Signed) James K. Cogswell

From 6 to 8 P.M. Partially cloudy. Pleasant. Gentle to moderate breeze  
from N.E. Long swell from S.E. Ship rolling easily. Firmly steady.  
Density of sea water 25. At 7.30 hauled up mainmast & squared away. (Signed) Clinton K. Curtis

From 8 to Midnight. Cloudy. Cool. Pleasant. Moderate N.E. breeze.  
Sun, faint, clouds. At 8.15 hauled down & stowed. At 10.45 Moon  
rose. Ship rolling easily through about 15°. (Signed) Samuel C. Lundy

Moon Phase 3<sup>rd</sup> qt. Dec. P. 25°

Examined and found to be correct.

(Signed) Osa Harper  
Lieut.

Navigator.



Steamer "Euphonia"

Rate, 6 Guns,

On passage from Pt. Catharina, Brazil,

Tide

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the roll the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.				
A. M.													
1	6 4	Pt. by S	N. by E.	4	29.88	81	82	80	80	bc 1/2	Clear	2 M	All Square sail
2	6 5	"	"	4	29.87	81	81	79	80	bc	"	6 "	by F. T. M. S. S.
3	6 5	"	"	5	29.84	81	80	79	80	"	"	3 "	
4	6 8	"	"	5	29.84	81	80	79	80	"	Clear	4 "	
5	6 8	"	"	5	29.84	81	81	79	79	"	"	0 "	At 5.05 M. sail.
6	5 6	"	"	4	29.83	81	81	80	79	"	"	0 "	
7	6 4	"	"	5	29.84	81	81	80	79	bc	"	7 "	
8	6 6	"	"	5	29.84	81	82	81	79	"	"	7 1/2 "	
9	6 4	"	"	5	29.84	81	83	82	79	"	"	6 "	
10	6 0	"	"	5	29.85	81	84	83	80	"	"	5 "	
11	5 8	"	"	4.5	29.84	81	84	82	80	"	"	3 "	
Noon.	5 6	"	"	4.5	29.86	82	84	83	80	"	"	3 "	

Distance run by Log since preceding Noon

122 knots 6 miles

Latitude by D. R. at Noon

S. 30.40.00"

Longitude by D. R. at Noon

W. 48.22.15"

Latitude by Observations at Noon

S. 30.55.23"

Longitude by Chronometer from Forenoon Observations

W. 48.19.00"

Current during the time 0.6 knots per hour, setting to the South

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by Azimuth observed at

Lat. S. 30.51' Long. W. 48.00' E.S.

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons 2010 lbs.

Coal remaining on hand at Noon

99 " 1050 "

Tide

P. M.	1	5	SW by S S. W. 1/2 S	N. N. E.	3	29.87	82	85	83	79	bc 2	Clear	4 M	Hauled up M. sail
1	3	5		N. E.	3	29.86	83	86	84	79	"	"	6	"
2	4	2	"	"	3	29.85	83	87	85	77	"	"	5	"
3	4	2	"	"	3	29.84	83	86	85	77	"	"	6	"
4	3	8	"	"	3	29.84	83	85	83	78	"	Clear	1	"
5	3	4	"	"	3	29.84	82	84	83	78	"	"	6	"
6	3	4	"	"	3	29.85	82	83	82	78	bc 1/2	"	6	"
7	2	8	"	"	3	29.86	82	83	82	78	"	"	7	"
8	2	6	"	"	3	29.87	82	83	83	78	"	"	3	"
9	2	6	"	"	3	29.87	82	82	80	78	"	"	1	"
10	2	8	"	"	3	29.87	82	79	80	78	"	"	2	"
11	3	0	"	"	3	29.87	82	79	80	78	"	"	1	"
Mid.	3	4	"	"	3									

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Perry*  
to Montevideo, Uruguay. Sunday February 24<sup>th</sup>

U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Pleasant. Damp. Moderate to stiff breeze from N.W.E. Light passing showers first hour. Sea moderate. Ship rolling easily. On course S.W. by E. At 5.05 set mainsail. Density of sea water 26.

(Signed) *Charles F. T. Moore* Ensign.

From 4 to 8 A.M. Breeze first part, clear & pleasant latter part of watch. Fresh breeze from N.W.E. Sea moderate. Cross sea. Ship rolling and pitching moderately. Density of sea water 26. Shining compass S.W. by E. Barometer steady.

(Signed) *James K. Cogswell* Lieut.

From 8 to Noon, Cloudy. Warm. Moderate to fresh breeze from N.W.E. Barometer rising slowly. At 9.15 called "all divisions to quarters" for inspection. At 9.30 Commander inspected ship & crew at quarters, immediately passed prayers on quarter deck. Moderate sea from N. Ship rolling & pitching easily. Density of sea water 26.

(Signed) *Clinton K. Curtis* Lieut.

From Noon to 4 P.M. Partly cloudy. Breeze. Warm. Gentle breeze from N.E. Sea moderate. Ship rolling & pitching easily. At 5 freshened mainsail. At 12.15 changed course to S.W. by E. At 2 squared away & hauled up mainsail. Ship rolling easily. Hydrographer 27.

(Signed) *Samuel E. Lumb* Ensign.

From 4 to 6 P.M. Cloudy. Pleasant. Breeze. Gentle breeze from N.E. Sea moderate. Ship rolling & pitching easily. At 5 freshened mainsail. A sail in sight on port bow. Density of sea water 26.

(Signed) *Charles F. T. Moore* Ensign.

From 6 to 8 P.M. Cloudy & pleasant. Gentle breeze from N.E. Sea smoother. Ship rolling easily. Course S.W. by E. Damp, misty around horizon. Statist five in two boilers for distilling at 6. Five banded in two boilers. Density of sea water 26.

(Signed) *James K. Cogswell* Lieut.

From 8 to Midnight. Cloudy. Damp. Gentle breeze from N.E. Barometer steady. That lightening about horizon to the N.W. & S.E. Moderate swell. Ship rolling easily. At 8.45 started distiller. Density of sea water 26.

(Signed) *Clinton K. Curtis* Lieut.

Moon Phase Last 25<sup>th</sup> Dec, 27°

(Signed) *Ada Walker* Lieut.

Navigator.

Examined and found to be correct.



Steamer "Eury"

Rate, 6 Guns,

On passage from St. Catharina, Brazil, to

Trenton

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																
1	3	7	P.W. 1/2 S.	A.E.	3	29.85	81	82	81	78	bcu	cu	fine	5	M	Royal, F. G. sail
2	3	5	"	"	2.3	29.85	81	82	81	78	"	"	"	3	"	Top sail, fore sail
3	2	7	"	"	2	29.85	81	82	81	77	"	"	"	3	"	by F. T. M. S. P.
4	1	8	"	"	1	29.83	81	82	81	77	"	"	"	4	"	"
5	1	6	"	"	1	29.86	81	79	79	76	"	"	"	1	"	"
6	2	1	"	"	1	29.86	80	80	79	76	"	"	"	4	"	"
7	1	7	"	"	0.1	29.87	80	80	79	76	"	"	"	2	"	"
8	1	1	"	"	0.1	29.87	81	81	80	77	"	"	"	4	"	"
9	1	2	"	"	0.1	29.89	80	80	80	78	"	"	"	8	"	"
10	1	2	"	"	0.1	29.89	80	82	81	78	ocu	"	"	0	"	"
11	1	2	"	"	0.1	29.88	80	82	81	78	bcu	"	"	4	"	"
Noon.	1	0	"	"	0.1	29.88	81	83	82	78	"	"	"	3	"	"

Distance run by Log since preceding Noon

63 knots 6 miles

Latitude by D. R. at Noon

S. 31. 42. 35"

Longitude by D. R. at Noon

W. 49. 08. 30"

Latitude by Observations at Noon

S. 31. 55. 31"

Longitude by Chronometer from Forenoon Observations

W. 49. 14. 20"

Current during the time 0.6 knots per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A.M. Lat. S. 31. 51' Long. W. 49. 11' E. 3. 25'

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

1400 "

Coal consumed during the preceding 24 hours

1 tons 760 lbs.

Coal remaining on hand at Noon

98. 290 "

Trenton

P. M.																
1	0	5	P.W. 1/2 S.	A.E.	0.1	29.87	83	85	83	78	bcu	cu	fine	4	D	Lat. 31, F. 31
2	1	0	W. 1/2 S.	S. F. W.	1	29.87	82	85	83	78	"	"	"	2	"	Shal. 3/4. Top in
3	4	5	"	S. F. W.	2.5	29.87	81	84	81	78	bcu	"	"	0	"	Royal & F. 3/4
4	7	2	S. W.	S. F. E.	5	29.85	81	84	78	77	bcu	"	"	2	"	"
5	7	4	S. W. 1/2 S.	S. E. 1/2 S.	5.6	29.88	77	77	76	79	"	"	"	1	M	"
6	7	2	S. W. 1/2 S.	S. E. 1/2 S.	5	29.84	77	76	75	78	"	"	"	2	"	W. 1/2 sail and
7	6	6	S. W. 1/2 S.	S. E. 1/2 S.	5	29.85	82	76	75	79	"	"	"	7	"	all plain sail
8	5	9	"	"	5	29.87	81	76	75	79	bcu	"	"	8	"	except m. sail, &
9	6	0	"	"	5	29.85	77	76	74	78	bcu	cu	fine	9	"	3/4 & royal.
10	6	4	"	"	5	29.85	77	76	74	78	"	"	"	9	"	"
11	6	5	"	"	5.6	29.82	77	75	74	78	bcu	"	"	9	"	"
Mid.	5	6	"	"	5.6	29.82	77	75	74	77	"	"	"	9	"	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of Commander Winfield Scott Riley  
Montevideo, Uruguay - Monday February 25<sup>th</sup>

U. S. Navy,

1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy - Damp. Fresh breeze, falling light towards end of watch - Obscure moonlight. Cir, Cum, Mist, clouds. Density of sea water 25. Fire tanked in two boilers. Steam pressure 25 lbs. (Signed) Samuel C. Lundy Ensign.

From 4 to 8 A.M. Cloudy. Misty. Light air from N.E. Moderate swell from N.E. Ships rolling & pitching easily. On comm. S.W. 1/2 S. Density of sea water 26. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling (Signed) Charles J. T. Moore Ensign.

From 8 to Midnight. Cloudy & Storm. Misty. Light air from N.E. Sea smooth. Light swell setting to the S. Ships rolling easily. Cir, Cum, Mist, clouds. Steady course S.W. 1/2 S. At 9.15 expired at general quarters. Time of casting took. Main Guard 30°. Eugene Dir. 1<sup>st</sup> 15°. Harizator Dir. 1<sup>st</sup> 15°. Surgeon Dir. 1<sup>st</sup> 45°. Powder Dir. 1<sup>st</sup> 50°. 2<sup>nd</sup> Dir. 4<sup>th</sup> 1<sup>st</sup> Dir. 4<sup>th</sup> 50°. Sounded in 5<sup>th</sup> 50°. By order of Commander the following punishments were assigned. Thomas Jones (Coast, Maine) for insubordination to Officer of Deck & not obeying his order, was suspended from duty & confined to further duty. Wm. H. Harshe (D.S.) for going below while on wind watch & going to sleep, was warned. G. H. V. V. (Role) Ellison Parson (Role) Walter Thomas (Role) for neglecting to obey order, & H. C. Robinson (Role) for neglect of duty, were each given one watch at night for three days. Fire tanked in two boilers. Distilling. Density of sea water 26. Barometer steady. (Signed) James K. Cogswell Lieut.

From Midnight to 4 P.M. Weather cloudy. Light air from N.E. first two hours, increasing to fresh breeze & shifting to S.W. & S.E. At 1.15 hoisted up on port tack & set jib, f. jib, spruce & m. top sail. At 2.45 tops in fore & hoisted down f. jib. Sea smooth. Density of sea water 26. Fire tanked in two boilers. Distilling. (Signed) Clinton K. Condit Lieut.

From 4 to 6 P.M. Cloudy - Damp. Fresh S.E. Wind. Cir, Cum, Mist, clouds. At 4.30 sent down fore & main yards. Ships pitching through 10°. Fire tanked in two boilers. Steam pressure 25 lbs. Distilling. Density of sea water 26. (Signed) Samuel C. Lundy Ensign.

From 6 to 8 P.M. Clear. Cool. Damp. Shift breeze from S.E. by S. On comm. S.W. 1/2 S. Sea moderate. Ships pitching heavily. At sunset unmoored at quarters. Fire tanked in two boilers. Steam pressure 25 lbs. Density of sea water 26. (Signed) Charles J. T. Moore Ensign.

From 8 to Midnight. Clear & cool. Fresh breeze from S.E. by S. increasing in force in puff. Sea moderate. Steaming course S.W. 1/2 S. close hauled on port tack. Barometer falling. Lightning to E. first part of watch. Fire tanked in two boilers. Distilling. Density of sea water 26. — Moon Phase last 9<sup>th</sup> Dec. 28° (Signed) James K. Cogswell Lieut. (Signed) Ora Walker. Lieut.



Tenth

On passage from St. Catharina, Brazil, to

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1	4 6	S. W. 1/2 S	P. E.	4 1/4	29.81	78	75	74	79	bc	Cum	2	2	
2	4 0	"	"	4 5	29.80	78	75	74	79	"	"	1	1	
3	5 4	S. W. 1/4 S	"	4 5	29.79	78	75	74	78	"	"	1	1	
4	6 0	"	S. P. E.	4 5	29.78	78	75	74	78	"	"	2	2	
5	5 8	"	"	5	29.87	75	75	73	78	"	Cum	2	2	Close up of W. sail
6	6 0	"	"	5	29.87	75	74	73	78	"	"	4	4	Yall plain sail
7	6 0	S. W. 1/2 S	P. E.	4 5	29.89	75	75	73	79	"	"	3	3	T. J. White, have T. J. fish
8	6 4	"	"	5	29.90	75	75	73	78	"	"	5	5	Trop in W. by sail
9	5 0	"	"	4	29.91	76	76	74	77	"	"	5	5	Let go of, Trop in
10	4 2	"	"	3	29.92	75	76	74	77	"	Cum	7	7	Spanker by T. J. W. S.
11	4 8	S. W. 1/4 S	P. E.	4	29.92	75	77	75	77	"	"	7	7	Let spanker, T. J. W. S.
Noon.	5 6	S. W. 1/2 S	P. E.	4	29.92	75	77	75	77	"	"	7	7	Y. T. W. S. S. S. All plain sail - Close up of mainsail.

Distance run by Log since preceding Noon

129 knots 2

Latitude by D. R. at Noon

S. 33. 23. 00"

Longitude by D. R. at Noon

W. 51. 04. 20"

Latitude by Observations at Noon

S. 33. 15. 30"

Longitude by Chronometer from Forenoon Observations

W. 51. 22. 15"

Current during the time 0.7 knots per hour, setting to the N. W. 1/2 W.

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at 7.30 A. M. Lat 33° S. Long 51.04 W. E. 4° 35'

Water expended during the preceding 24 hours

250 gallons.

Water Condensed during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

11900 "

Coal consumed during the preceding 24 hours

1 tons 10 10 lbs.

Coal remaining on hand at Noon

76 " 15 20 "

Tenth

P. M.	2	5	S.W. 1/2 S.	P.E.	4	29.91	75	77	75	81	bc 2	Cum	4	S.
1	2	5	S.W. by S.		4	29.90	74	77	75	81	"	"	5	"
2	5	0	"	"	4	29.95	74	76	74	81	"	"	5	"
3	5	6	"	"	4	29.89	74	75	73	81	"	"	5	"
4	6	4	"	"	5	29.90	74	75	72	76	"	Cum	5	"
5	6	8	"	"	5	29.90	74	74	72	76	"	"	5	"
6	6	8	"	"	5	29.89	74	74	72	75	"	"	8	"
7	6	5	"	"	5	29.89	74	74	72	75	"	"	8	"
8	6	2	S.W.	"	3	29.89	74	74	72	76	"	"	9	"
9	2	7		"	3	29.94	74	74	72	75	"	"	9	"
10	4	6	"	"	3	29.94	74	74	72	74	"	"	9	"
11	3	7	"	"	2	29.94	74	73	72	75	"	"	9	"
Mid.	2	9	"	"	2	29.94	74	73	72	75	"	"	9	"

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of Commander Winfield Scott Pelee  
Montevideo, Uruguay - Tuesday February 26<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy & threatening - Moderate and fresh breeze from S.E. by E. & S. S.E. Barometer falling slowly - Sea smooth - Density of sea water 26. Five fathoms in two triles. Distilling -  
(Signed) Clinton W. Curtis. Lieut.

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Breeze S.E. by E. breeze. Clear, sun, faint clouds - High dawn. At 7.35 set close reefed weather sail & took in m. by sail. Density of sea water 26. Five fathoms in two triles. Steam pressure 25 lbs. Distilling -  
(Signed) Samuel C. Rumlif. Ensign

From 8 to Noon, Pleasant. Clear. Gentle to moderate breeze from S.E. by E. & S. S.E. Sea smooth. At 8.20 closed royal yards. At 8.30 set royals. At 8.45 took in sprangue & F. T. M. S. S. in but then & but new sails. At 10 set F. T. M. S. S. At 10.30 set sprangue & gaff to sail. At 9.15 inspected at quarter. Exposed compass at infanter - Five fathoms in two triles. Steam pressure 25 lbs. Distilling - Density of sea water 26.  
(Signed) Charles F. T. Moore. Ensign

From Noon to 4 P.M. Clear & pleasant. Moderate breeze from S.E. increasing to a fresh breeze last hour of watch. Clear sun clouds. Light wind passing to S.E. Close hauled, port tack, standing, S.W. by S. One sail in sight, standing to S.W., on port beam. Sea smooth - Five fathoms in two triles. Distilling - Density of sea water 25. Took in m. by sail and about an old sail. At 12.20 got soundings, 30 fathoms, mud. Altered course to S.W. by S. at 12.30 -  
(Signed) James K. Cogswell. Lieut.

From 4 to 6 P.M. Partially cloudy. Pleasant. Fresh breeze from S.E. Sea smooth. Barometer steady. Density of sea water 25. Five fathoms in two triles. Distilling - At 6 got cast of the lead in 26 fathoms, fine white sand.  
(Signed) Clinton W. Curtis. Lieut.

From 6 to 8 P.M. Clear. Pleasant. Breeze from S.E. At dark breeze four points abaft port beam. At 7.30 got cast of deep sea lead in 24 fathoms, yellow sand. At sunset mustered at quarter. Five fathoms in two triles. Steam pressure 25 lbs. Distilling - Density of sea water 25.  
(Signed) Samuel C. Rumlif. Ensign

From 8 to Midnight. Clear & pleasant. Gentle breeze from S.E. gradually falling to light breeze. Sea smooth. At 8.30 changed course to S.W. Got cast of lead each hour. Bottom at 9, 23 fathoms, yellow sand. At 10, 25 fathoms, black mud. At 11, 27 fathoms, black mud. At 12, 27 fathoms, soft mud. Five fathoms in two triles. Steam pressure 25 lbs. Distilling - Density of sea water 25.  
Moon Phase Last 9<sup>th</sup> Dec. S. 23°. (Signed) Charles F. T. Moore. Ensign.

(Signed) Ara Watpue. Lieut.



## LOG of the UNITED STATES

Hannu Essif

3<sup>rd</sup>

Rate, 6 Guns,

On passage from Pt Catharina, Brazil, to

Tautau

Hour.	Knots.	Current steered.	WINDS.		Leeway.	BAROMETR.			TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. std.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A. M.																
1	2 6	SW	SE	2		29.89	74	73	72	75	bc	Cum	9			
2	1 8	"	E.	2		29.89	74	73	72	75	"	"	9			
3	1 8	"	"	2		29.88	74	73	71	75	bc	None	10			
4	1 7	"	"	2		29.86	74	73	71	75	"	"	10			
5	1 3	"	"	2		29.87	74	73	72	75	bc	Cum	9			
6	1 3	"	"	2		29.87	74	73	72	75	"	"	8			
7	1 3	"	"	2		29.90	74	74	72	74	"	"	8			
8	1 5	"	"	2		29.90	74	74	72	74	"	"	8			
9	1 2	S.W. 1/2 W.	"	2		29.92	74	75	72	74	"	"	8			
10	2 8	"	"	2		29.95	75	75	74	74	"	"	9			
11	2 7	"	"	2		29.95	75	77	75	74	"	"	9			
Noon.	3 0	"	"	2		29.98	77	77	75	76	"	"	9			All plain sail

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 7.30 A.M. Lat. 34° 07' Long. 52° 35' E. 7° 10'

Water expended during the preceding 24 hours

Water consumed during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

Tautau

P. M.																
1	2	8	SW	East	2	29.93	75	79	76	76	bc	Cum	9	8		
2	2	5	"	"	2	29.93	76	79	77	76	"	"	9	"		
3	2	3	"	"	2	29.93	75	79	77	77	"	"	8	"		
4	2	9	"	"	2	29.92	75	78	77	77	"	"	9	"		
5	4	2	"	E. 1/2 E.	3	29.90	75	77	75	77	"	"	9	"		
6	4	8	"	"	3	29.90	75	77	76	77	"	"	9	"		
7	5	0	"	"	4	29.89	74	76	74	77	"	Cum	9	"		
8	5	0	"	"	4	29.89	74	76	74	77	"	"	9	"		
9	2	5	S. W. 1/4 E.	"	4	29.92	75	76	73	75	"	"	9	"		
10	4	8	"	"	4	29.92	75	75	73	75	"	"	9	"		
11	4	6	"	"	4	29.92	75	75	72	75	"	"	9	"		
Mid.	4	6	"	"	4	29.93	75	75	72	75	"	"	9	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of Commander Winfield Scott Pelley, U. S. Navy,  
Montevideo, Uruguay - Wednesday February 27<sup>th</sup>, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & pleasant. Light breeze from S.E. just  
 now, lost steam from E. Sea smooth. Ground swell setting to S.W. Trawl  
 a considerable way down, bottom at 30 fathoms first time down, 35 fathoms last  
 time, soft mud. Passed a steamer steaming to N.E. More ice at  
 1.15. Time trawled in two trils. Distilling. Density of sea water 24.  
 (Signed) James K. Cogswell

From 4 to 8 A.M. Clear & pleasant. Light breeze from E. Sea smooth.  
 Barometer rising cloudy. Got cast of lead at 5 & 6, in 38 1/2 and 39  
 fathoms, bottom fine sand. Exchanged color with a French steamer standing  
 to N.E. Two sail in sight at end of water. Density of sea water 25. Time  
 trawled in two trils. Distilling.  
 (Signed) Clinton K. Curtis

From 8 to 11 A.M. Clear. Warm. Light E by breeze. Cumulus clouds. At 9.15  
 inspected at quarters. Examined 1<sup>st</sup> Div, great guns. 2<sup>nd</sup> Div, transporting  
 guns. Powder Div, stations. School of porpoises passed the ship. At 10.40  
 changed course to S.W. 1/2 W. Passed through water discolored by small floating  
 particles. Triz in sight during whole watch, one at end of water (pc) S.W.  
 Density of sea water 26. Time trawled in two trils. Steam pressure 25. Distilling.  
 At 12 got a cast of the lead in 33 fathoms, bottom fine sand.  
 (Signed) Samuel C. Lundy

From 11 A.M. to 4 P.M. Clear. Pleasant. Light breeze from E. Sea smooth. On  
 course S.W. 1/2 W. Time trawled in two trils. Steam pressure 25 lbs. Distilling.  
 Density of sea water 24.  
 (Signed) Charles F. T. Moore

From 4 to 6 P.M. Clear & pleasant. Moderate breeze from E.N.E. Sea smooth.  
 Cumulus clouds. At 6 got a cast of the lead in 21 fathoms, mud. Time  
 trawled in two trils. Distilling. Density of sea water 25.  
 (Signed) James K. Cogswell

From 6 to 8 P.M. Clear & pleasant. Moderate breeze from N.E. Sea smooth.  
 Barometer steady. At 6.50 squared away & hauled up main sail. At 8 got  
 cast of the lead in 18 fathoms, bottom fine grey sand. Density of sea water  
 25. Time trawled in two trils. Distilling.  
 (Signed) Clinton K. Curtis

From 8 to Midnight. Clear. Cool. Pleasant. Moderate N.E. breeze. Cumulus  
 clouds. At 8.06 sounded call to general quarters. Time as follows. Har. Div, 2<sup>nd</sup>  
 Eng. Div, 2<sup>nd</sup> 30<sup>th</sup>. Marine 3<sup>rd</sup> 15<sup>th</sup>. Powder Div, 3<sup>rd</sup> 30<sup>th</sup>. 2<sup>nd</sup> Div, 5<sup>th</sup> 15<sup>th</sup>. 1<sup>st</sup>  
 Div, 9<sup>th</sup> 25<sup>th</sup>. Drums at 8.22. Eng. 30<sup>th</sup>. Powder Div, 2<sup>nd</sup>. Har. Div, 2<sup>nd</sup> 15<sup>th</sup>.  
 Engineers Div, 3<sup>rd</sup> 2<sup>nd</sup> Div, 5<sup>th</sup> 1<sup>st</sup> Div, 6<sup>th</sup> 15<sup>th</sup>. Got cast of deep sea lead  
 every hour in from 18 to 20 fathoms, bottom sand & shell. At 11.45  
 clubbed down main royal & sounded to main top sail to mast and  
 took pilot on board. Time trawled in two trils. Steam pressure 15 lbs.  
 H. J. Chromite 24.  
 (Signed) Samuel C. Lundy  
 - Moon Phase Last 9<sup>th</sup> Dec. 2.19<sup>th</sup> (Signed) Lea Walker. Limit - Ensign



## LOG of the UNITED STATES

*Steamer "Emp"* 3<sup>rd</sup> Rate, 6 Guns,  
*Standing up the Rio de la Plata*

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
			Direction.	Force.		At Sea.	On Shore.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1	4	B.H. 3/4	N.W. 1/2 E.	3		29.93	74.75	73.75		bc	Cum	9			Let Main sail
2	5	2	"	3		29.90	74.75	73.75		"	"	9			
3	5	0	"	3		29.88	74.75	73.75		"	"	8			All plain sail
4	4	4	"	3		29.85	74.75	73.75		"	Ci Cum	6			Toopie M. sail
5	5	2	"	3		29.85	74.74	73.75		"	Cum	1			
6	2	4	"	2		29.87	74.74	73.75		"	"	1			
7	4	5	"	3		29.85	73.74	73.75		"	"	1			Same, with steam
8	9	0	N. 2/4 W.	3		29.86	73.74	72.75		"	"	1			in full sail
9	18	3	N. 2/4 W.	3		29.86	73.75	72.75		"	Cum	7			
10	6	0	West	3		29.88	73.75	72.75		"	"	7			Shortened & furlled
11	Finishing at target		"	3		30.00	74.75	74.75		"	"	7			
Noon.	Standing up Rio de la Plata		"	3		30.02	74.77	75.75		"	"	7			Fore and aft sail

Distance run by Log since preceding Noon

104 knots 9

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon *by bearing*

S 35. 01. 00.

Longitude by Chronometer from Forenoon Observations *by bearing*

W. 54. 58. 30.

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude  $\odot$  observed at SunriseVariation of the Compass by Azimuth  $\odot$  observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

7 tons 2030 lbs.

Coal remaining on hand at Noon

187 " 1440 "

P. M.																	
1	Standing up	N.W.	2	29.99	78.80	77							bc	Cum	9		Steam alone
2	the Rio de la	W.	1	29.97	78.82	79							"	"	9		
3	Plata under	S.W.	1	29.99	78.84	81							"	"	9		
4	direction of Pilot	B.H. 3/4	1	29.99	77.83	81							"	"	9		
5		E.M. 1/2 E.	4	29.99	77.83	87							"	Ci Cum	7		
6	At Anchor	"	2	29.95	78.81	79							"	"	5		
7	N.E.	N.E.	1.2	29.96	78.79	78							"	"	2		
8	N.E. 1/2 E.	N.E. 1/2 E.	1.2	29.98	78.79	78							"	"	7		
9	N.E. 1/2 W.	N.E. 1/2 W.	2.4	29.98	78.79	76							"	"	7		
10	"	"	4.5	29.98	78.79	76							"	"	7		
11	"	"	4.5	29.98	78.76	74							"	"	7		
Mid.	"	"	4.5	29.98	78.76	74							"	"	7		

Longitude by Chronometer from Afternoon Observations  $\odot$ 

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude  $\odot$  observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Kellogg  
Thursday February 2<sup>nd</sup>

, U. S. Navy,

1878.

Expended at target practice.  
3 XI in shells, landed and fused. 5"  
12 IX in " " " " 5"  
3 60 Pdr. Rifle " " " 5"  
3 15 lb charged cannon powder for XI in  
12 10 " " " " IX in  
3 6 " " " " 60 Pdr.  
3 Cartridges bags XI in 15 lb  
12 " " IX in 10 lb  
3 " " 60 Pdr. 6 lb  
50 Primus Lill.

(Signed) Alva Walfer.  
Lieut. Dist. Officer.

-buge from N.E. shifting  
-P.W. & H. At 1 got  
shot Santa Maria Light  
cail - Hottest smoke  
in Santa Maria Light  
in J.T. Moore  
Ensign.  
while became light at 6  
shot almost under steam  
of shot St Maria Light  
standards team -  
Density of sea water 25.

Lt. Cogswell Lieut.  
buge from N.W. Sea  
to black up on range  
At 9.40 shot and

fuelled all shell - At 9.45 went to general quarters & expended at target  
practice, firing 3 rounds - Ground away two buoys at No. 1 & 2 gun start  
& took one bottle and handle - At 11 placed ahead under direction of pilot -  
At 11.20 set fire to aft sail - Steaming with six boilers. Density of sea water 25.  
(Signed) Clinton K. Curtis Lieut.

From 11.20 to 4 P.M. Clear - Warm - Light bugs to light air from N.W.  
to S.W. Hottest 7.5 ft, gaff topsail & N.T.M.P.S. started steam away  
Engaged in scraping shell - At 2.30 sighted Stone Island (see) N.T.M.P.S. At  
end of watch Stone Island bore (see) N.T.M.P.S. Steaming under six boilers -  
Steam pressure 58 lb. Revolution 54. (Signed) Samuel C. Remy Ensign.

From 4 to 6 P.M. Clear - Warm - Moderate bugs from E.N.E. falling to  
light bugs - Steaming in for Stone Island - At 5.15 came to anchor in  
5 1/2 fathoms water, with port anchor, bearing to 45 fathoms chain - Light  
House Stone Island bearing (see) E.N.E. distant one mile - Janded fire -  
Harbor Officer visited the ship & placed ship in quarantine - Draught  
forward 10 3/4 ft 9 in - Amidsheips 14 ft 10 in - At 15 ft 11 in -  
(Signed) Charles J.T. Moore Ensign.

From 6 to 8 P.M. Cloudy & pleasant - Light air from N.E. & E. falling  
to fresh tide - At 8 tide began to freshen - Fine tanper - Distilling -  
(Signed) James K. Cogswell Lieut.

Examined and found to be correct.

From 8 to Midnight - Clear & cool - Moderate bugs, with fresh puff, from  
N.E. by N. Ship riding to wind. Fresh tide at 8.30 - Hauled fire net from  
trawl - Fine tanper in two trawls - Distilling - (Signed) Clinton K. Curtis Lieut.  
Moon Phase Last 25, Dec, 20° (Signed) Alva Walfer, Lieut.



Commenced and until 4 A.M. Clear Pleasant. Gentle breeze from N.E. shifting to N. & N.W. At 12 filled away. Changed course to S.W. by W. At 1 gott east of lead in 23 fathoms, bottom mud. At 1.00 sighted Santa Maria Light bearing (true) W. 1/2 N. At 3 struck out reef & furlst mainsail. Hauled smooth stanch. Started fire in fore boiler at 3. At end of watch Santa Maria Light bore (true) N. 1/2 E. 1/2 N.

(Signed) Charles F. T. Moore Ensign.

From 4 to 8 A.M. Cloudy & damp. Moderate breeze which became light at 6 & freshened again at 6.30. Sea smooth. At 6.45 started ahead under steam with sail. At 7 changed course to N. E. by N. At 5 dropped St. Maria Light which bore North. At daylight made land along starboard beam. Barometer rising; between 6 & 7 o'clock rose .05 inch. Density of sea water 25. Set main top sail. Pilot aboard.

(Signed) James K. Cogswell Lieut.

From 8 to Midnight, Clear Warm & pleasant. Gentle breeze from N.W. Sea smooth. Barometer rising. At 8.55 stopped engine to black up on crank pin of high pressure engine. At 9.15 started ahead. At 9.40 shortened & furlst all sail. At 9.45 went to general quarters & exercised at target practice, firing 3 rounds. Wind away two buildings at No. 1 & 2 gun started & took one battle axe handle. At 11 started ahead under direction of pilot. At 11.20 set fore & aft sail. Steaming with rip boiler. Density of sea water 25.

(Signed) Clinton K. Curtis Lieut.

From Midnight to 4 P.M. Clear Warm. Light breeze to light air from N.W. to S.W. Hauled & set, gaff topsail & S.T.M.P.S. started steam away. Engaged in scraping spear. At 2.30 sighted Flores Island (true) W. 1/2 N. At end of watch Flores Island bore (true) W. 1/2 N. Steaming under rip boiler. Steamer pressure 58 lbs. Revolution 54.

(Signed) Samuel C. Remy Ensign.

From 4 to 6 P.M. Clear Warm. Moderate breeze from E. N. E. falling to light breeze. Steaming in for Flores Island. At 5.15 came to anchor in 1/2 fathoms water, with port anchor, paying to 45 fathoms chain. Light House Flores Island bearing (true) E. 1/2 E. distant one mile. Hauled fire. Healed Officer visited the ship & placed ship in quarantine. Draught forward 18 1/2 feet 9 in. Amidships 14 feet 10 in. Aft 15 feet 11 in.

(Signed) Charles F. T. Moore Ensign.

From 6 to 8 P.M. Cloudy & pleasant. Light air from N.E. & E. fishing to flood tide. At 8 tide logged & fresh. Fire tank full. Distilling.

(Signed) James K. Cogswell Lieut.

From 8 to Midnight. Clear & cool. Moderate breeze, with fresh puffs, from N.E. by N. Ship riding to wind. Flood tide at 8.30. Hauled fire in fore boiler. Fire tank full in two boilers. Distilling.

(Signed) Clinton K. Curtis Lieut.



## LOG of the UNITED STATES

*Steamer Essex* " 3<sup>rd</sup> Rate, 6 Guns,  
Off Flores Islands, Pis de la Plata

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Force of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air & d.	Air Dry Bulb.	Air Wet Bulb.					
A. M.	1	Flood	H.E.	H.E.	4	29.99	74	74	73	bc	Clouds	9	8	
	2	"	"	"	4	29.97	74	74	73	"	"	8	"	
	3	"	"	"	4	29.96	73	74	73	"	"	9	"	
	4	H.H.E.	"	"	3	29.96	73	73	73	"	"	9	"	
	5	"	H.H.E.	"	4	29.96	73	73	72	"	Clouds	9	"	
	6	"	H.	"	3	29.98	73	73	72	"	Clouds	4	"	
	7	"	"	"	3	29.99	75	72	72	"	"	6	"	
	8	2	H.H.E.	"	3	29.99	76	74	73	"	"	6	"	
	9	"	H.H.E.	"	3	29.99	77	76	75	"	"	9	"	
	10	"	"	"	3	29.99	77	77	78	"	"	6	"	
	11	"	"	"	2	29.98	77	81	79	"	"	9	"	
Noon.	2	"	"	"	2	29.98	78	82	80	"	"	6	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

500 "

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

tons 1790 lbs.

Coal remaining on hand at Noon

86 " 1890 "

P. M.	1	H.H.E.	S.P.H.	2	29.97	78	82	80	bc	Clouds	6	8	
	2	"	E.P.E.	2	29.97	78	82	80	"	"	6	"	
	3	H.E. & H.	"	2	29.95	78	82	80	"	"	6	"	
	4	H.E.	E.E.	2	29.95	78	82	80	"	"	6	"	
	5	H.E. & H.	E.P.E.	1	29.95	79	82	81	"	"	8	"	
	6	"	"	1	29.92	78	81	80	"	"	9	"	
	7	H.E. & E.	E. & H.	1	29.90	79	81	79	"	"	9	"	
	8	"	"	2	29.90	79	81	79	"	"	9	"	
	9	"	"	2	29.94	78	78	76	"	"	9	"	
	10	H.E.	H.E.	2	29.94	78	78	76	"	"	10	"	
	11	5	H.E.	2	29.94	79	78	76	"	"	10	"	
Mid.		H.H.E.	"	2	29.94	79	78	76	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of *Commander Winfield Scott Perry*  
*Friday March 1<sup>st</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear-Cool. Moderate N.E. breeze. Cir,  
bun, clouds. Bright daylight. Current 2 knots. At 5.25 noon sea-  
fine hauled in two trils. Steam pressure 25 lb. Distilling.  
(Signed) Samuel C. Rumbly  
Ensign.

From 4 to 8 A.M. Clear & pleasant. Cool. Moderate to gentle breeze  
from N.E. & N. Fine hauled in two trils. Steam pressure 25 lb.  
Distilling. Current at 5.2 knots. Downed snipe trap.  
(Signed) Charles J. T. Moore  
Ensign.

From 8 to 12 A.M. Clear & pleasant. Gentle to light breeze from N.E. Cir,  
bun, clouds. Pishing to current. Current at 12. 2 knots. Hatched snipe  
traps. Shrapnel & sabot 23 shells. Put some seal water to  
dangerous gun boat, requesting that it be forwarded to U.S.S. Hartford.  
Fine hauled in two trils.  
(Signed) James W. Cogswell  
Lieut.

From 12 to 4 P.M. Clear & warm. Light breeze from S.E. shifting  
to E. S. E. & S. E. Barometer falling slowly. Ship pishing to flood tide.  
Pilled & fused 17 IX<sup>th</sup>, 6 XI<sup>th</sup>, & 6.60 For shells. Cordunnus and  
mummet in shell, one bag scrapings &avings of butter.  
(Signed) Clinton V. Curtis  
Lieut.

From 4 to 6 P.M. Clear. Warm. Light E. S. E. air. Cir, bun,  
clouds. A large steamer passed up the river, showing no colors.  
(Signed) Samuel C. Rumbly  
Ensign.

From 6 to 8 P.M. Clear & pleasant. Light air to light breeze from  
E. & N.  
(Signed) Charles J. T. Moore  
Ensign.

From 8 to Midnight. Clear & pleasant. Light breeze from E. & N. shifting  
to N. & N. clouds last three hours of watch. Current at 10.5 knots.  
(Signed) James W. Cogswell  
Lieut.

Moon Phase Last 27 Dec, L. 15°.

Examined and found to be correct.

(Signed) Ada Walker  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"*  
*Off Pointe à Pitre, Pis de la Glacé*  
*Rate, 6 Guns,*

Hour.	Knots.	Course steered.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1		N.H.C.	N.H.C.	1.2	29.93	77	77	77	76	bc	Cum	9	1	
2		"	"	1.2	29.93	77	77	77	76	"	"	9	"	
3		N.C.	N.	2	29.93	77	76	75		"	"	9	"	
4		"	"	2.5	29.92	77	75	73		"	"	9	"	
5		N. by E.	"	3	29.95	75	74	72		"	"	9	"	
6		"	"	3	29.94	74	74	72		"	"	9	"	
7	2	"	"	3	29.94	75	74	72		"	"	9	"	
8		"	"	3	29.94	74	76	74		"	"	9	"	
9		N.H.H.	N.H.H.	2	29.94	76	80	78		"	"	9	"	
10		N.H.	N.H.	1	29.95	76	82	81		"	Cum	9	"	
11		S.H. by E.	S.E. by E.	1	29.95	78	83	82		"	"	9	"	
Noon.	2	S.H.	"	1	29.98	78	83	82		"	"	9	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

500 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

86 " 1640 "

P. M.														
1		S.H. by E.	S.E.	1	29.94	80	83	81		bc	Cum	9	1	
2		S.E. by E.	S.	1	29.91	80	83	81		"	"	8	"	
3		"	"	1	29.90	80	82	80		"	"	8	"	
4		"	"	1	29.87	80	82	80		"	"	8	"	
5		S.E.	"	2	29.89	80	82	80		"	"	4	"	
6		S.E.	E. by S.	2.5	29.89	79	82	80		"	Cum	2	"	
7	3	E. by S.	E.H.C.	4	29.87	79	79	77		bc	"	3	"	
8		N.C.	"	4	29.87	79	79	77		"	"	5	"	
9		N.C. by E.	E.	3	29.90	78	79	77		bc	"	2	"	
10		N.H.C.	"	3	29.90	78	79	78		"	"	6	"	
11		N.H.C.	"	3	29.90	78	79	78		"	"	2	"	
Mid.		N.H.H.	N.H.C.	5	29.91	78	79	78		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander Winfield Scott Phelps*  
*Saturday March 2<sup>nd</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced by unit 4 A.M. Clear, atmosphere very damp. Light air from N. N. E. shifting to N. & increasing to gentle breeze. Frost laid. Sea smooth. Barometer steady.

(Signed) *Clinton W. Curtis*  
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Light N. by breeze. Cum clouds. A small German brigantine came in & anchored. Engaged in painting ships outside.

(Signed) *Samuel C. Rensley*  
Surgeon.

From 8 to 11 A.M. Clear. Warm. Light air from N. N. E. shifting to S. E. by E. Engaged in painting ships inside. Boatwain F. A. Dean was placed under suspension for disrespectful conduct to Officer of the Deck, by order of Commanding Officer. Thomas Jones (Coxswain) was released from confinement, by order of Commanding Officer. Current at 12, 2 fathoms N. N. E.

(Signed) *Charles F. T. Mory*  
Surgeon.

From 11 A.M. to 4 P.M. Clear & warm. Light air from S. by N. first from N. & from S. E. by E. Last three hours of watch. Sea, Cum, clouds. Estimated average force of current 4 fathoms. English steamer "Hipparchus" arrived from Quebec Bay & dropped her colors in passing. Engaged in painting ships inside.

(Signed) *James W. Cogswell*  
Lieut.

From 4 to 6 P.M. Warm. Light to gentle breeze from S. shifting to E. by S. Barometer steady. Sea smooth. Finished painting ships inside.

(Signed) *Clinton W. Curtis*  
Lieut.

From 6 to 8 P.M. Cloudy. Pleasant. Lightening to S. W. Moderate E. by E. breeze. Cum & mist clouds. Current about 3 fathoms, setting up the river.

(Signed) *Samuel C. Rensley*  
Surgeon.

From 8 to Midnight. Cloudy. Pleasant. Gentle breeze from E. first three hours, shifting to N. N. E. & freshening to stiff breeze last hour.

(Signed) *Charles F. T. Mory*  
Surgeon.

Moon's phase last 9<sup>th</sup>, Dec, S. 5°.

Examined and found to be correct.

(Signed) *Ada Walpole*  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Essex*, 3<sup>rd</sup> Rate, 6 Guns,  
Off Flores Island, Rio de la Platta.

Tues

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 5d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.														
1		N. by E.	N. by E.	4	29.90	78	79	78		OC	Clear	0	0	
2		N. by E.	"	5	29.88	78	79	78		"	"	0	"	
3		"	"	5	29.85	78	79	77		"	"	0	"	
4		"	"	5.6	29.82	78	78	77		"	"	0	"	
5		N. by E.	"	4	29.80	76	78	77		"	"	0	"	
6		N. by E.	"	3	29.89	74	77	76		bc	"	1	"	
7		"	"	3	29.89	76	77	75		"	"	2	"	
8		"	"	2	29.89	77	77	76		"	"	3	"	
9		N. by E.	"	0.1	29.93	78	79	78		"	"	5	"	
10		"	"	0.1	29.96	78	82	80		"	"	8	"	
11		E. by S.	S. by E.	1	29.96	78	82	80		"	"	7	"	
Noon.	2	S. by E.	S. by E.	2	29.95	79	82	80		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

86 " 1390 "

Tues

P. M.													
1		S. E.	S. E.	3	29.95	80	82	80	bc	Clear	8	0	
2		S. E. by S.	"	3	29.95	80	82	81	"	"	8	"	
3		S. E.	"	3	29.90	80	83	81	"	"	8	"	
4	4	"	"	3	29.90	80	83	81	"	"	9	"	
5		S. E.	S. E.	4.5	29.91	79	82	80	"	"	9	"	
6		S. E. by S.	S. E.	4.5	29.93	80	80	79	"	"	9	"	
7		"	"	4	29.94	78	80	78	"	"	8	"	
8		S. E.	"	4	29.94	78	80	78	"	"	8	"	
9		S. E.	S. E.	4	29.95	78	79	79	"	"	8	"	
10		"	"	4	29.95	78	79	79	"	"	9	"	
11		"	"	3	29.95	78	78	79	"	"	9	"	
Mid.	3	"	"	3	29.95	78	78	79	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of *Commander Winfield Scott Pellus*  
*Friday March 3<sup>rd</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast & cool. Breeze. Moderate breeze from N. by W. increasing during watch, latter part, to a fresh breeze. Calm, Wind, clouds. Barometer falling slowly.

(Signed) James V. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy. Pleasant. Moderate breeze from N. by W. decreasing to light breeze at end of watch. Barometer steady. - Uruguayan gunboat got underway & steamed out during watch.

(Signed) Clinton V. Curtis  
Lieut.

From 8 to Midnight, Clear. Warm. Light air from N. by W. to S.E. Ship swinging to the breeze. At 9.40 Commanding Officer inspected ship & crew at quarters & afterwards read prayer. Read articles for the Government of the Army, & substituted crew. Royal Mail Steamer "Mondego" came down & anchored. A small Uruguayan gunboat came down & anchored. Current about .2 knots up river. Off order of Commander, Gratwain F. A. Dean was released from suspension & returned to duty.

(Signed) Samuel C. Rumbly  
Ensign.

From Midnight to 4 P.M. Clear & pleasant. Gentle breeze from E. S. E. shifting to E. The regular board of survey, surveyed a Walrus of poop and condemned it to be thrown overboard. Current at 4, .2 knots.

(Signed) Charles B. T. Moore  
Ensign.

From 4 to 6 P.M. Clear & pleasant. Fresh breeze from E. A. E. last hour, from E. S. E. first hour. Passing to flood.

(Signed) James V. Cogswell  
Lieut.

From 6 to 8 P.M. Clear & pleasant. Moderate breeze from E. Barometer rising slowly. - At tide. Received in Pay Department 160 lbs fresh beef & 160 lbs vegetables.

(Signed) Clinton V. Curtis  
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Moderate N.E. breeze. Bright starlight. Current about .3 knots.

(Signed) Samuel C. Rumbly  
Ensign.

Moon phase. New Moon. Dec. 5°.

Examined and found to be correct.

(Signed) Ora Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Essex* <sup>3<sup>rd</sup></sup> Rate, 6 Guns,  
Off *Flora Island, Rio de la Plata*

*Tuesday*

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1		N. by E.	N. E.	4	29.95	78	77	75		bc	Cum	9	1	
2		"	"	5	29.92	76	76	75		"	"	9	"	
3		N. by E.	"	5	29.94	76	76	75		"	"	9	"	
4	2	N. by E.	"	4	29.95	76	76	75		"	"	9	"	
5		"	"	4	29.97	75	75	74		bc	Cum	9	"	
6		"	"	3.4	29.97	75	76	75		bc	Cum	9	"	
7		N. E.	"	2	29.97	76	76	75		"	"	6	"	
8		N. E. by N.	"	2	29.99	76	78	77		"	"	1	"	
9		N. E.	"	2	29.99	76	79	77		"	"	3	"	
10	2	"	"	2	29.98	79	82	80		"	"	5	"	
11		"	"	2	29.96	80	83	80		"	"	5	"	
Noon.		"	"	2	29.96	80	83	80		"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

86 " 1140 "

*Tuesday*

P. M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Monday March 4<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear. Cool. Breeze. Moderate to stiff breeze from N.E. Bright starlight. Current at 4.2 knots.

(Signed) Charles F. T. Moore  
Ensign.

From 4 to 8 A.M. Clear first part, cloudy latter part of watch. Moderate breeze first two hours, light last two - Sea, Sun, clouds. Riding to the flood. Lightning in horizon to N.W. first hour of watch.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Partially cloudy. Pleasant. Light breeze from N.E. Barometer falling slowly. At 9.15 went to general quarters. Tides. Casting loose. 1<sup>st</sup> Div. 7<sup>th</sup> 25° Powder Div. 7<sup>th</sup> 35° 2<sup>nd</sup> Div. 8<sup>th</sup> 50° Haw. Div. 1<sup>st</sup> 15° Reserve 1<sup>st</sup> Div. 6<sup>th</sup> 25° Powder Div. 4<sup>th</sup> 10° Haw. Div. 1<sup>st</sup> 10° Dismounted No 2 gun Starboard & Port. Overhauled battery.

(Signed) Clinton K. Cutting  
Lieut.

From Midnight to 4 P.M. Cloudy. Thunder & lightning. Light breeze from N.E. & E. to E. & S.E. Raining latter part of watch. Sea, Sun, Moon, clouds. At 3 Belgian Steamer "Cyclus Zeehert" (R. & Co.) came in and anchored. At 3.20 Moderate squall with rain, lasting remainder of watch.

(Signed) Samuel C. Rumbly  
Ensign.

From 4 to 6 P.M. Cloudy. Raining, with thunder & lightning first hour. Light to moderate breeze from S.E. & E. & S.E. At 5 Belgian Steamer went out.

(Signed) Charles F. T. Moore  
Ensign.

From 6 to 8 P.M. Cloudy & pleasant. Breeze. Lightning to the N.E. Stiff breeze from E. & N. Squally. Sun, Moon, clouds. Barometer falling slowly.

(Signed) James K. Cogswell  
Lieut.

From 8 to Midnight. Partially cloudy. Pleasant. Moderate breeze from N.E. decreasing to light breeze by end of watch. Barometer falling. Lightning around horizon to N.W.

(Signed) Clinton K. Cutting  
Lieut.

Moon phase 1<sup>st</sup> 9<sup>th</sup>. Dec 4. 1°.

Examined and found to be correct.

(Signed) Ora Halper  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer Essex*  
*Off Pointe à Pitre, Guadeloupe, 3<sup>rd</sup> Rate, 6 Guns.*

Twister

Hour.	Knots.	Courses steered.	WINDS.		Lacuity.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1		N. by E.	N. E.	1.2		29.89	76	78	76		bc	Clouds	7	8	
2				1.2		29.92	76	78	76		bc	"	8	"	
3	3	N. by E.	N. E. by E.	1.2		29.92	76	78	76		bc	"	8	"	
4		N. E. by N.	E. by N.	2		29.95	76	78	76		"	"	8	"	
5				4		29.95	76	78	76		"	"	2	"	
6		"	N. E.	3		29.95	76	77	76		"	"	2	"	
7		"		3		29.95	76	77	76		"	"	3	"	
8		N. E. by N.	E. by N.	2		29.96	76	77	76		"	"	4	"	
9		N. by E.	N. E.	1		29.95	76	78	77		"	"	1	"	
10		"	"	1		29.95	76	79	78		"	"	1	"	
11		"	"	1		29.95	76	80	79		"	"	1	"	
Noon.		"	"	1		29.95	76	81	80		"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1200 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

876 " 890 "

Twister

P. M.	Knots.	Courses steered.	Direction.	Force.	Lacuity.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1		N. by E.	N. E.	1.2		29.96	80	83	82		bc	Clouds	8	8	
2	4	N. E. by E.	E. by E.	2		29.95	79	83	81		"	"	3	"	
3		E.	E. by S.	2		29.95	79	82	81		"	"	4	"	
4				2		29.96	79	82	81		"	"	4	"	
5		E. by N.	"	3		29.96	78	81	80		"	"	6	"	
6	2	E.	E. by N.	3		29.94	78	81	80		"	"	7	"	
7		N. E.	E. by N.	1		29.90	77	81	80		"	"	18	"	
8	2	N. by E.	"	2		29.90	77	81	80		"	"	9	"	
9		"	N. E.	1		29.95	80	81	80		"	"	9	"	
10			"	3		29.93	80	81	80		"	"	9	"	
11		N. E. by N.	"	4		29.94	78	81	80		"	"	9	"	
Mid.	6	N. E. by N.	"	4		29.94	78	80	79		"	"	18	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Kelly  
Tuesday March 5<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear-Cool-Pleasant. Light N.E. breeze. Lightning during the middle of watch to N.W. Cum, thin, clouds. Bright Starlight. Current about 1.3 parts to 1.

(Signed) Samuel C. Rumbly, Ensign.

From 4 to 8 A.M. Cloudy-Cool-Pleasant. Moderate breeze from E. by N. shifting to N.E. by N. & falling to light breeze. A Danish brig & a German steamer, the Valparaiso, of Hamburg, came in & anchored.

(Signed) Charles F. T. Moore, Ensign.

From 8 to Midnight, Cloudy & Warm. Light air from N.E. At 9-15 inspected at quarter. Specified companies A. & B. at infantry & howitzer crew at howitzer drill. By order of Commander the following punishments were assigned, Michael Chang (2d) for disrespect in deportment to Officer of the Deck, was confined to the deck. David Crane (2d) for refusing to obey order of the machinist, & leave station duty. F. Vallentyne (2d) for slow & indifferent at exercise & repeatedly answering back disrespectfully, & leave station duty.

(Signed) James K. Cogswell, Lieut.

From Midnight to 4 P.M. Partly Cloudy. Warm & Pleasant. Light breeze from N.E. shifting to S.E. by E. & E.S.E. Partly falling slowly. Commenced to swing the flood at 2. Engaged in painting Starboard side & in touching up Mast on lower & top rail yards.

(Signed) Clinton K. Curtis, Lieut.

From 4 to 6 P.M. Clear-Warm. Gentle breeze from E. S. E. Cum, thin, clouds. Current about .2 parts up river.

(Signed) Samuel C. Rumbly, Ensign.

From 6 to 8 P.M. Clear & pleasant. Light air to light breeze from E. N. E. Current .2 parts.

(Signed) Charles F. T. Moore, Ensign.

From 8 to Midnight. Clear & pleasant. Light air first part increasing to moderate breeze from N.E. Passing across the tide, which began .6 parts at 11.50. Current setting to E. by N.

(Signed) James K. Cogswell, Lieut.

Moon phase just 9<sup>th</sup> Dec, N. 6°

Examined and found to be correct.

(Signed) Asa Walpole, Lieut.

Navigator.



*Steamer Essex* 3<sup>rd</sup> Rate, 6 Guns,  
Off Flores Island, Rio de la Platta

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.				
A. M.													
1	<i>Flood</i>	<i>H. G. H.</i>	<i>E. N. E.</i>	<i>3.4</i>	<i>29.92</i>	<i>76.80</i>	<i>79</i>	<i>79</i>	<i>79</i>	<i>bc</i>	<i>Cum 1/2 3</i>	<i>3</i>	<i>3</i>
2	<i>Blank</i>	<i>H. G. H.</i>	<i>"</i>	<i>3.4</i>	<i>29.92</i>	<i>76.80</i>	<i>79</i>	<i>79</i>	<i>79</i>	<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>
3	<i>Blank</i>	<i>"</i>	<i>"</i>	<i>3.4</i>	<i>29.92</i>	<i>76.80</i>	<i>79</i>	<i>79</i>	<i>79</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
4		<i>H. G. H.</i>	<i>"</i>	<i>3.4</i>	<i>29.90</i>	<i>76.80</i>	<i>79</i>	<i>79</i>	<i>79</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
5		<i>H. G. H.</i>	<i>North</i>	<i>4</i>	<i>29.94</i>	<i>77.79</i>	<i>79</i>	<i>79</i>	<i>79</i>	<i>"</i>	<i>Cum 1/2 4</i>	<i>4</i>	<i>"</i>
6	<i>1 5</i>	<i>H. G. H.</i>	<i>"</i>	<i>4</i>	<i>29.95</i>	<i>79.79</i>	<i>78</i>	<i>78</i>	<i>78</i>	<i>"</i>	<i>"</i>	<i>6</i>	<i>"</i>
7		<i>"</i>	<i>"</i>	<i>4</i>	<i>29.96</i>	<i>78.79</i>	<i>78</i>	<i>78</i>	<i>78</i>	<i>"</i>	<i>"</i>	<i>6</i>	<i>"</i>
8		<i>"</i>	<i>"</i>	<i>4</i>	<i>29.96</i>	<i>77.79</i>	<i>78</i>	<i>78</i>	<i>78</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>
9		<i>D. H. G. H.</i>	<i>"</i>	<i>4</i>	<i>29.95</i>	<i>77.80</i>	<i>79</i>	<i>79</i>	<i>79</i>	<i>"</i>	<i>Cum 6</i>	<i>6</i>	<i>"</i>
10		<i>"</i>	<i>"</i>	<i>3</i>	<i>29.96</i>	<i>77.81</i>	<i>80</i>	<i>80</i>	<i>80</i>	<i>"</i>	<i>"</i>	<i>6</i>	<i>"</i>
11		<i>H. G. H.</i>	<i>H. G. H.</i>	<i>3</i>	<i>29.95</i>	<i>78.83</i>	<i>82</i>	<i>82</i>	<i>82</i>	<i>"</i>	<i>"</i>	<i>8</i>	<i>"</i>
Noon.		<i>H. G. H.</i>	<i>"</i>	<i>3</i>	<i>29.94</i>	<i>82.85</i>	<i>82</i>	<i>82</i>	<i>82</i>	<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

900 "  
1 tons 210 lbs.  
85 " 680 "

P. M.													
1		<i>E. G.</i>	<i>H. G. H.</i>	<i>1</i>	<i>29.92</i>	<i>82.82</i>	<i>82</i>	<i>82</i>	<i>82</i>	<i>bc</i>	<i>Cum 4</i>	<i>4</i>	<i>3</i>
2		<i>P. G.</i>	<i>H. G. H.</i>	<i>1</i>	<i>29.91</i>	<i>83.85</i>	<i>83</i>	<i>83</i>	<i>83</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
3	<i>5</i>	<i>"</i>	<i>"</i>	<i>1.2</i>	<i>29.90</i>	<i>83.86</i>	<i>84</i>	<i>84</i>	<i>84</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
4		<i>P. H.</i>	<i>"</i>	<i>1.2</i>	<i>29.90</i>	<i>82.87</i>	<i>85</i>	<i>85</i>	<i>85</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
5	<i>5</i>	<i>P. H. G. H.</i>	<i>H. G. H.</i>	<i>2</i>	<i>29.88</i>	<i>82.87</i>	<i>85</i>	<i>85</i>	<i>85</i>	<i>"</i>	<i>Cum 1/2 2</i>	<i>2</i>	<i>"</i>
6		<i>P. H. G. H.</i>	<i>H. G. H.</i>	<i>2</i>	<i>29.86</i>	<i>82.87</i>	<i>84</i>	<i>84</i>	<i>84</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>
7	<i>9</i>	<i>P. H.</i>	<i>H. G.</i>	<i>2</i>	<i>29.88</i>	<i>84.86</i>	<i>85</i>	<i>85</i>	<i>85</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>
8		<i>H. G. H.</i>	<i>"</i>	<i>2</i>	<i>29.88</i>	<i>84.86</i>	<i>85</i>	<i>85</i>	<i>85</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>
9		<i>H. G. H.</i>	<i>H. G. H.</i>	<i>4</i>	<i>29.89</i>	<i>83.85</i>	<i>84</i>	<i>84</i>	<i>84</i>	<i>bc</i>	<i>Cum 1/2 8</i>	<i>8</i>	<i>"</i>
10	<i>1</i>	<i>H. G. H.</i>	<i>H. G.</i>	<i>5</i>	<i>29.90</i>	<i>83.84</i>	<i>83</i>	<i>83</i>	<i>83</i>	<i>"</i>	<i>Cum 9</i>	<i>9</i>	<i>"</i>
11		<i>H. G. H.</i>	<i>"</i>	<i>5</i>	<i>29.87</i>	<i>83.83</i>	<i>82</i>	<i>82</i>	<i>82</i>	<i>bc</i>	<i>"</i>	<i>7</i>	<i>"</i>
Mid.		<i>H.</i>	<i>"</i>	<i>5</i>	<i>29.84</i>	<i>83.83</i>	<i>82</i>	<i>82</i>	<i>82</i>	<i>"</i>	<i>Cum 8</i>	<i>8</i>	<i>"</i>

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Bliss*  
*Wednesday March 6<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Breeze. Moderate breeze from E. N. E. decreasing at times during watch to gentle breeze. Fair weather falling slowly. Ship moving to star at 1.45.

(Signed) *Clinton V. Austin* <sup>Lieut.</sup>

From 4 to 8 A.M. Cloudy. Pleasant. Moderate breeze from N. E. Sea, calm, faint clouds. A large German steamer, "Hohenzollern", came in & anchored. Current 1.5 knots.

(Signed) *Samuel C. Rumlaf* <sup>Ensign.</sup>

From 8 to 12 M. Clear. Warm. Moderate to light breeze from N. E. & N. W. E. German steamer went out. A large English steamer came in & anchored. Michael Clay (R. Fr.) was released from confinement by order of Comdg. Officer.

(Signed) *Charles J. F. Moore* <sup>Ensign.</sup>

From 12 M. to 4 P.M. Cloudy & Warm. Light breeze from N. E. Current at 3 setting to star N. E. force 3 knots. Sea, calm, clear. German steamer Valparaiso went out. German steamer "Hohenzollern" came down and anchored at 12.30 & left at 1.30. Fishing to Current. Started fish in two trawls for distilling.

(Signed) *James V. Cogswell* <sup>Lieut.</sup>

From 4 to 6 P.M. Cloudy & Warm. Light breeze from N. W. & N. E. Ship riding to flood. Barometer steady. Sea smooth. Two trawls for condensing.

(Signed) *Clinton V. Austin* <sup>Lieut.</sup>

From 6 to 8 P.M. Cloudy. Warm. Light breeze from N. E. Sea, calm, faint clouds. Commenced distilling at 7.40 Two trawls in two trawls. Steam pressure 25 lbs. Current 9 knots.

(Signed) *Samuel C. Rumlaf* <sup>Ensign.</sup>

From 8 to Midnight. Clear. Pleasant. Moderate breeze from N. E. Sea, calm, shifting to N. E. & freshening to stiff breeze. Lightning in P.M. first two hours. Two trawls in two trawls. Steam pressure 25 lbs. Distilling. Riding across current.

(Signed) *Charles J. F. Moore* <sup>Ensign.</sup>

Moon phase 1<sup>st</sup> gr. Dec, N. 11°.

Examined and found to be correct.

(Signed) *Ada Halper* <sup>Lieut.</sup>

Navigator.



## LOG of the UNITED STATES

*Recon Español*  
Off *Pointe Peland, Rio de la Plata*  
Rate, 6 Guns.

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1	6	North	N.H.E.	5.6		29.84	80	81	80		leg	Cloud	8		
2		"	"	5.6		29.82	80	80	79		"	"	5		
3		"	"	5.6		29.81	80	80	78		"	"	9		
4		"	"	5.6		29.81	80	79	78		"	"	8		
5	6H	"	H.	5.6		29.80	78	78	76		"	"	2		
6		"	"	5		29.88	78	78	76		"	"	2		
7	5	"	"	4.5		29.89	77	78	76		"	"	2		
8		"	"	4.5		29.89	79	79	76		bc	Cloud	2		
9		N.H.E.	N.H.E.	4		29.87	79	81	78		"	"	5		
10		N.H.E.	"	4		29.86	80	82	80		"	"	6		
11	3	"	"	3		29.85	80	82	81		"	"	7		
Noon.		"	"	3		29.85	83	84	83		"	"	19		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

1 tons 730 lbs.

Coal remaining on hand at Noon

88 " 2190 "

P. M.															
1	A.H.E.	N.W.	3			29.82	83	88	84		bc	Cloud	6		
2	"	"	4			29.81	83	88	84		"	"	5		
3	A.H.E.	"	5			29.79	83	88	85		"	"	6		
4	"	A.H.E.	3			29.79	83	88	86		"	Cloud	4		
5	"	N.W.	3			29.81	84	86	84		bc	"	2		
6	S.H.E.	S.H.E.	6.7			29.83	84	87	82		"	"	0		
7	S.H.E.	S.H.E.	6.7			29.82	82	82	80		bc	"	2		
8	S.H.E.	S.H.E.	6.7			29.82	82	80	78		"	"	2		
9	S.H.E.	S.H.E.	6.7			29.82	80	80	78		"	"	4		
10	"	S.H.E.	6.7			29.83	78	80	78		bc	"	2		
11	S.H.E.	"	3.4			29.95	78	80	78		bc	"	3		
Mid.	S.H.E.	"	3			29.95	78	80	78		or	"	0		

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander Winfield Scott Kelly*  
*Thursday March 7<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear & pleasant. Shift to my full breeze from N.E. Count 6 fathoms sailing to the S.E. English Mail steamer got under way - Barometer falling fast, steady East two hours. Fine lamp post in two trials. Distilling.

(Signed) James W. Cogswell  
Lieut.

From 4 to 8 A.M. Weather cloudy & disagreeable. Full breeze from N. moderating during watch. S.H. tide. Barometer rising. Fine lamp post in two trials. Distilling. Uruguayan gunboat came down & anchored.

(Signed) Clinton W. Curtis  
Lieut.

From 8 to 11 A.M. Clear. Warm. Moderate falling to gentle breeze from N.E. At 9.15 inspected at quarter. Spanish corvette under P. & A. at single stick. & Maine guard at small arms. Fine lamp post in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Surgeon.

From 11 A.M. to 4 P.M. Partly cloudy. Warm. Shift to stiff breeze from N.W. & N.E. by N. A Brazilian barque came in & anchored. Uruguayan gunboat got underway & stood up towards Montevideo. Fine lamp post in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore  
Surgeon.

From 4 to 6 P.M. Cloudy & pleasant. Some faint clouds. At 4 barometer commenced to rise. At 4.45 the spy to the S.E. & W. perceived the appearance of a steamer. Heavy fleecy clouds with ragged edges. Wind rising & passing to the N.E. At 5.30 steamer commenced to blow from S.W. increasing gradually. Distilling.

(Signed) James W. Cogswell  
Lieut.

From 6 to 8 P.M. Weather cloudy & ugly. Flowing my full from S.E. W. Lightning to N.E. Ship riding to the wind. Barometer steady. Fine lamp post in two trials. Distilling.

(Signed) Clinton W. Curtis  
Lieut.

From 8 to Midnight. Cloudy. Flowing a steamer from S.W. hauling to S.E. by E. Count faint clouds. Raining shower between 9 & 10. Wind shifted out between 10 & 11, & barometer rising rapidly. Raining last hour of watch. Fine lamp post in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Lundy  
Surgeon.

Moore John 1<sup>st</sup> Lt Dec, 1. 21.

Examined and found to be correct.

(Signed) Ada Watson  
Lieut.

Navigator.



*Steamer Grey*  
*Off Flores Island, Rio de la Plata*  
 3<sup>rd</sup> Rate, 6 Guns.

Twilight

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1		P.E. 4 P	N.E.	2		29.98	78	78	77		01	Clear	0	P	
2				1		29.99	78	78	77		01	"	0	"	
3		P. 4 H.	S.E.	3		29.97	78	78	77		0	"	0	"	
4		P. 4 H.	S.	3		29.98	78	78	77		"	"	0	"	
5		P. 4 H.	S.E.	5		29.98	78	77	76		"	"	0	"	
6		P. 4 H.	S.E.	5		29.99	78	77	76		"	"	0	"	
7		P. 4 H.	S.E.	5.6		30.07	78	77	76		"	"	0	"	
8	6	P. 4 H.	S.E.	5.6		30.07	78	77	76		"	"	0	"	
9	Flood	P. 4 H.	S.E.	5		30.10	78	77	75		12	"	1	"	
10	7	P. 4 H.	"	5		30.12	78	78	75		"	Clear	1	"	
11		P. 4 H.	"	4.5		30.15	77	79	75		"	"	1	"	
Noon.		P. 4 H.	"	4		30.15	77	79	75		"	"	2	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water *Consumed* during the preceding 24 hours

800 "

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

1 tons 760 lbs.

Coal remaining on hand at Noon

82 " 1430 "

Twilight

P. M.	Knots.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1		Twilight	S.E.	4		30.16	77	78	76		62	Clear	6	"	
2		P. 4 H.	"	4		30.17	77	78	76		"	"	6	"	
3	Flack	"	"	5		30.17	76	78	76		"	"	5	"	
4		"	"	5		30.17	76	77	75		"	"	4	"	
5		"	"	5		30.17	76	77	75		"	"	1	"	
6	1 5	"	S.E.	5		30.19	76	77	75		"	"	1	"	
7		"	S.E.	5.6		30.18	76	76	74		"	"	2	"	
8		P.	S.E.	5.6		30.22	76	76	74		"	"	2	"	
9		P.	"	5.6		30.24	76	76	73		"	"	3	"	
10		P. 4 H.	S.	5.6		30.25	75	76	73		"	"	3	"	
11		P. 4 H.	S.	5.6		30.25	75	75	73		"	"	3	"	
Mid.	Flack	P. 4 H.	S.	5.6		30.25	75	75	73		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winifred Scott Pelley  
Friday March 8<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Raining first two hours. Light  
air to gentle breeze from N.E. shifting to S. Fine barograph in two trials. Steam  
pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore

Ensign.

From 4 to 8 P.M. Overcast & pleasant. Fresh breeze from S.E. & E. Barometer  
6<sup>th</sup> 7 barometer rose .08 inch. Sea moderate. Fine barograph in two trials. Distilling.  
Subsided at 8.6 fathoms, sailing to the N.E.

(Signed) James W. Cogswell

Lieut.

From 8 to Midnight. Weather cloudy. Fresh breeze from S.E. moderating during  
watch. Flood tide. Barometer rising. Moderate sea from S.E. At 9.15  
expressed at five quarters, 1<sup>st</sup> steam 15<sup>th</sup>, 2<sup>nd</sup> 30<sup>th</sup>, 3<sup>rd</sup> 45<sup>th</sup>. Subsided  
in 1<sup>st</sup> 15<sup>th</sup>. Fine barograph in two trials. Distilling.

(Signed) Clinton V. Cusick

Lieut.

From Midnight to 4 P.M. Clear. Pleasant. Moderate to stiff breeze from S.E.  
Clear, calm, fine, clouds. Fine barograph in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rindley

Ensign.

From 4 to 6 P.M. Cloudy. Pleasant. Stiff breeze from S.E. shifting to E.S.E.  
Fine barograph in two trials. Steam pressure 25 lbs. Distilling. Subsided  
at 6, 1.5 fathoms.

(Signed) Charles F. T. Moore

Ensign.

From 6 to 8 P.M. Cloudy & pleasant. Stiff to fresh breeze from E. & S.  
shifting to E.S.E. last hour. Barometer rising. Subsided at 7 sailing to  
the East. 8 fathoms. Fine barograph in two trials. Distilling.

(Signed) James W. Cogswell

Lieut.

From 8 to Midnight. Weather cloudy. Fresh breeze with stiff puffs from  
S.E. shifting to E. Barometer rising slowly. Moderate sea from S.E.  
Fine barograph in two trials. Distilling. Ebb tide.

(Signed) Clinton V. Cusick

Lieut.

Moon's phase 1<sup>st</sup> gr. Day, N. 21°.

Examined and found to be correct.

(Signed) Ora Halpern

Lieut.

Navigator.



*Steamer Essex*  
*Off Pointe Pelauk, Pis de la Plata*  
 3<sup>rd</sup> Rate, 6 Guns.

Tues

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.														
1		E. by E.	E. by S.	5.7		30.24	76	76	74		bc	Cu cum	6	P
2		"	"	5.7		30.24	76	76	74		"	"	7	"
3		"	"	5.7		30.24	76	76	74		"	"	8	"
4		"	"	6		30.24	75	75	72		"	"	9	"
5		"	E.	6		30.24	74	75	73		"	"	9	"
6		"	"	5		30.25	74	75	74		"	"	6	"
7		"	"	5		30.27	75	77	76		"	"	7	"
8		E. by S.	E. by S.	5		30.30	75	76	74		"	"	6	"
9		E. by S.	"	5		30.31	75	76	74		"	"	2	"
10		"	"	6		30.30	75	77	74		"	"	1	"
11		E. by S.	"	6.7		30.30	75	77	74		"	"	1	"
Noon.	5	E. by E.	"	6.7		30.27	75	78	75		bc	"	1	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water consumed during the preceding 24 hours

1400 "

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

1 tons 650 lbs.

Coal remaining on hand at Noon

81 " 780 "

Tues

P. M.	Knots.	Course steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the roll the vessel is under at end of watch.
1		E. by E.	E. by S.	6.7		30.27	75	78	75		bc	Cu cum	1	P
2	1	E. by E.	"	6.7		30.27	76	78	75		"	"	1	"
3		"	"	6.7		30.25	76	78	75		"	"	1	"
4	Flot	"	"	6.7		30.25	76	77	75		"	"	1	"
5		E. by E.	E. by S.	6.7		30.26	75	77	74		"	"	3	"
6	1 5	E. by E.	"	6.7		30.18	75	77	74		"	"	3	"
7		E. by E.	E. by S.	6.7		30.16	76	75	74		0	Cum	0	"
8		"	E. by S.	6.7		30.26	75	75	74		0	"	0	"
9		"	"	6.7		30.26	76	75	73		ou	"	0	"
10		"	"	6.7		30.18	76	75	73		"	"	0	"
11		"	E.	6.7		30.15	76	74	73		our	"	0	"
Mid.	5	"	"	6.7		30.15	75	74	72		"	"	0	"

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Selig  
Saturday March 9<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Cool. Pleasant. Very fresh breeze with heavy gusts from E. by S. Sea, cum, clouds. Barometer steady. No perceptible surface current. Fine tankard in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rumble

From 4 to 8 A.M. Clear. Pleasant. Fresh to stiff breeze from E. & E. by S. Hugerwayan gun boat got underway by steam and started Montevideo.

(Signed) Charles J. F. Moore

From 8 to Midnight, Cloudy first part, overcast last hour. Stiff breeze, increasing to a very fresh breeze. Sea rough. Barometer falling slowly. Quantity board of keeloy brought a barrel of vinegar, found to be 20 gals short, from leakage, secured on board in that condition at Rio de Janeiro.

(Signed) James K. Cogswell

From Midnight, to 4 P.M. Overcast & cloudy. Fresh breeze with very fresh puffs from E. by S. Barometer falling. Sea rough. Force of current set 2.1. Boat sailing to S. E. tide. Fine tankard in two trials. Distilling. English steamers came in & anchored.

(Signed) Clinton V. Boutwell

From 4 to 6 P.M. Cloudy Cool. Fresh wind with heavy gusts from E. by N. Sea cum, clouds. Barometer falling. The Royal Mail steamer "Elle" got underway by flood up the river. Fine tankard in two trials. Distilling. Steam pressure 25 lbs.

(Signed) Samuel C. Rumble

From 6 to 8 P.M. Overcast Cool. Fresh breeze, blowing in gusts from E. & E. by S. Towed to 60 fathoms port chain. Fine tankard in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Charles J. F. Moore

From 8 to Midnight. Weather overcast & very foggy. Raining last hour of watch. Squally. Blowing fresh squally from E. Barometer falling. Nearly last hour. Fine tankard in two trials. Distilling. Sea rough. Current setting to the S. 1.5 knots.

(Signed) James K. Cogswell

Morris Jellicoe 1<sup>st</sup> Lt. Dec. 14.

(Signed) Ada Walter

Examined and found to be correct.

Navigator.



*Steamer "Essex"* 3<sup>rd</sup> Rate, 6 Guns,  
Off Flou Island, Rio de la Plata

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Depth of Clear Sky, in fathoms.	Record of the swell the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1	1	N. E. by E	E. by N.	6.5	30.16	74	70	68		org	Wind	0	P	
2		"	"	6.5	30.16	73	70	68		"	"	0	"	
3		"	"	6.8	30.16	73	69	68		"	"	0	"	
4		"	"	6.8	30.08	73	69	68		"	"	0	"	
5		N. E.	"	6.8	30.04	73	70	69		"	"	0	"	
6		E. N. E.	E	6.8	30.04	73	70	69		0	"	0	"	
7	1 5	N. E. by E	"	6.8	30.04	73	70	69		or	"	0	"	
8		"	"	6.7	30.05	73	72	69		"	"	0	"	
9		"	"	6.7	30.04	72	73	71		"	"	0	"	
10		E. N. E.	E. by N.	6.7	30.05	72	74	72		of	Wind	0	"	
11		"	"	5.7	30.04	73	74	73		0	"	0	"	
Noon.	5	N. E. by E	"	5.7	30.02	73	74	73		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water *Condensed* during the preceding 24 hours

500 "

Water remaining on hand fit for use at Noon

2600 "

Coal consumed during the preceding 24 hours

tons 1170 lbs.

Coal remaining on hand at Noon

80 " 1850 "

P. M.														
1		E. N. E.	E. by N.	7.8	30.01	73	74	73		0	Wind	0	P	
2		"	"	7.8	30.00	73	73	72		"	"	0	"	
3		"	"	7.8	29.99	73	73	72		"	"	0	"	
4		E. N. E. by E	"	7.8	29.97	73	73	72		"	"	0	"	
5	Flood	E. by N.	E.	7.7	29.97	73	73	72		"	"	0	"	
6		E. N. E.	"	4.5	29.97	73	73	71		"	"	0	"	
7		"	E. by N.	3.5	29.96	73	71	70		1/2	"	1	"	
8	/	"	"	3.4	29.90	73	72	71		"	"	1	"	
9		"	"	3.5	29.95	73	72	71		"	"	2	"	
10		"	"	3.5	29.95	73	72	71		"	"	4	"	
11		"	E. by N.	3.5	29.95	73	72	71		"	"	6	"	
Mid.	/	"	"	3.4	29.95	73	73	72		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Riley  
Sunday March 10<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 4 A.M. Cloudy & raining. Flowing a moderate gale from E. by N. Barometer fell from 3 to 4, 10 inches. Rough sea. Strong current setting to S. E. tide. Tides ran fast in two tides. (Signed) Clinton V. Cutler  
Lieut.

From 4 to 8 A.M. Cloudy - Raining - Flowing a moderate gale with strong puffs from E. Windy clouds. As large barquentine rigged steamer Manawatu came aboard. Watched distance at 7.30. Tides dying out. (Signed) Samuel C. Rensley  
Ensign

From 8 to Noon, Overcast. Falling clouds first two hours. Very fresh breeze flowing in gusts from E. by N. & gradually decreasing. At 9.30 Com. of Offshore inspected ship & crew at quarters, afterwards sent papers. (Signed) Charles J. T. Moore  
Ensign

From Noon to 4 P.M. Overcast. Light sprinkling of rain at times. Flowing a moderate gale from E. by N. Sea rough. Barometer falling slowly. Current 1 knot setting to S. E. by S. (Signed) James W. Cogswell  
Lieut.

From 4 to 6 P.M. Overcast & cloudy. Fresh breeze, with strong puffs from E, moderate last hour. Barometer steady. Sea rough. Force of current 1 knot setting to S. E. by S. (Signed) Clinton V. Cutler  
Lieut.

From 6 to 8 P.M. Cloudy. Cool. Pleasant. Wind dying down from stiff to moderate breeze from E. by S. Sea, Wind, clouds. Barometer steady. (Signed) Samuel C. Rensley  
Ensign

From 8 to Midnight. Cloudy. Cool. Pleasant. Gentle to stiff breeze from E. by S. & E. S. E. Flowing in gusts. (Signed) Charles J. T. Moore  
Ensign

Moon phase 1<sup>st</sup> or 2<sup>nd</sup> Dec, 27°

Examined and found to be correct.

(Signed) Ada Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"*  
*Off Port of Santos, Rio de la Plata*  
 Rate, 6 Guns,

Hour.	Knots.	Course steered.	WIND.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. air.	Air Dry Bulb.	Air Wet Bulb.				
A. M.													
1		E. N. E.	E. S. E.	3	29.92	72	73	72		0	Smooth	0	
2		"	"	3	29.91	72	73	72		"	"	0	"
3	6	"	"	3	29.89	73	73	72		1/2	Smooth	9	"
4		E. by N.	"	3	29.86	73	73	72		"	"	3	"
5		E. S. E.	"	2.5	29.86	73	73	72		"	"	4	"
6		"	"	2.5	29.86	73	73	72		"	"	2	"
7		E. S. E.	E. S. E.	2.5	29.86	73	73	72		"	"	2	"
8		E. S. E.	E. S. E.	2.5	29.86	73	73	72		"	"	1	"
9		"	E. by S.	3	29.87	72	73	72		"	Smooth	3	"
10		E.	E.	2	29.86	73	76	73		"	"	3	"
11	3	"	"	2	29.86	74	75	74		"	"	4	"
Noon.		"	"	2	29.87	74	76	74		"	"	4	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

80 " 1600 "

P. M.													
1		N. E. by E.	East	1	29.84	74	76	75		1/2	Smooth	3	
2		"	"	1	29.82	74	76	75		"	"	1	"
3		E. N. E.	E. by S.	1	29.79	73	76	75		"	Smooth	3	"
4		"	E. S. E.	1	29.77	73	75	75		"	"	1	"
5		N. E. by E.	E. S. E.	1	29.77	73	75	74		"	"	1	"
6	2	"	"	1	29.77	73	75	74		"	"	2	"
7	Black	N. E. by E.	N. E.	1.2	29.79	73	75	73		"	"	3	"
8	64	N. E. by E.	E. N. E.	2	29.79	73	74	73		"	"	2	"
9		N. E. by E.	N. E.	1	29.76	73	74	73		"	"	3	"
10		N. E. by E.	"	0.1	29.76	73	74	74		"	"	4	"
11		"	Calcut	0	29.76	73	74	74		"	"	7	"
Mid.		N. E. by E.	"	0	29.77	73	74	74		"	"	7	"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Phelps  
Monday March 11<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy & pleasant. Light breeze from E.S.E. Barometer falling slowly. Sun, Moon, clouds. Current 6 knots setting to the S.E.W.

(Signed) James V. Cogswell

From 4 to 8 A.M. Cloudy. Pleasant. Light to gentle breeze from E.S.E. & S.E. Barometer steady. Force of current 1 knot setting to the S.E.W. At 6 brought to first chain & hove in to 45 fathoms. At 8 closed royal & top gallant yards & lowered sail to a truss.

(Signed) Clinton V. Custer

From 8 to Midnight, Cloudy. Warm. Gentle to light breeze from E. Sea, Sun, clouds. At 9-15 observed at general quarters. Tides as follows. 1<sup>st</sup> Dir, 3<sup>rd</sup> 30<sup>th</sup>. 2<sup>nd</sup> Dir, 3<sup>rd</sup> 15<sup>th</sup>. Powder Dir, 2<sup>nd</sup>. Star Dir, 1<sup>st</sup>. Eng<sup>rs</sup> Dir, 1<sup>st</sup> 30<sup>th</sup>. Second, 1<sup>st</sup> Dir, 4<sup>th</sup> 30<sup>th</sup>. 2<sup>nd</sup> Dir, 4<sup>th</sup> 30<sup>th</sup>. Star Dir, 1<sup>st</sup> 15<sup>th</sup>. Powder Dir, 2<sup>nd</sup> 30<sup>th</sup>. Eng<sup>rs</sup> Dir, 1<sup>st</sup> 15<sup>th</sup>. Unusually an privateer got underway & stood out of the harbor.

(Signed) Samuel C. Rumbly

From Midnight to 4 P.M. Cloudy. Pleasant. Light air from E. shifting to E.S.E. At 1 furlot sail. Spent at evening & morning down light yards. Just light sails. Two barge & two tugboats got underway & stood up towards the city.

(Signed) Charles F. T. Moore

From 4 to 6 P.M. Cloudy & pleasant. Light air from P.E. by E. Barometer steady. Sea smooth. Black water at 7. Ship's running at 7-4-5. Current 2 knots setting to the S.W.

(Signed) James V. Cogswell

From 6 to 8 P.M. Cloudy. Pleasant. Light breeze from S.E. & E.S.E. Barometer steady. Sea smooth. Black water at 7. Ship's running at 7-4-5.

(Signed) Clinton V. Custer

From 8 to Midnight. Clear. Pleasant. Light air falling to calm towards end of watch. Sea, Sun, Moon, clouds. At 8-15 "Hartford" burned rocket, & attracted attention with electric light, answered by sending up rocket. "Hartford" then made signal with electric light, which owing to distance we were unable to read. We burned Green preparatory, no answer. Observed in Harbinger's Department 1 report & 1 Green preparatory.

(Signed) Samuel C. Rumbly

Examined and found to be correct.

Moon phase 1<sup>st</sup> Dir, 28<sup>th</sup>.

(Signed) Ora Walpole

Liut.

Navigator.



*Steamer "Excelsior"*  
Off Porto Rico, P. de la Plata

Rate, 6 Guns,

Hour.	Knots.	Course steered.	WINDS.			BAROMETER.					TEMPERATURE.					State of the Weather, by symbols.	Form of Clouds, by symbols.	State of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.										
A. M.																				
1		H. 4 E.	H. 4 E.	1.2		29.77	78	78	72		bc	Cir	Sum	7	M					
2		"	"	2		29.77	79	72	70		"	"	"	6	"					
3		"	"	3		29.75	79	72	71		"	"	"	8	"					
4		"	"	3		29.72	79	72	71		"	"	"	8	"					
5		H. 4 E.	"	3		29.68	72	71	70		"	"	"	9	"					
6		H. 4 E.	H. 4 E.	3		29.68	72	71	71		"	"	"	9	"					
7	1	H. 4 E.	H. 4 E.	3		29.78	72	72	72		"	"	"	9	"					
8		H. 4 E.	H. 4 E.	3		29.50	72	72	73		"	"	"	9	"					
9	6 H	H. 4 E.	H. 4 E.	2.3		29.77	73	74	73		"	"	"	8	"					
10	1 8	H. 4 E.	H. 4 E.	2.3		29.77	73	77	74		"	"	"	8	"					
11		H. 4 E.	H. 4 E.	2.3		29.77	74	77	75		"	"	"	7	"					
Noon.		H. 4 E.	H. 4 E.	2.3		29.77	76	78	75		"	"	"	7	"					

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

tons 1750 lbs.

Coal remaining on hand at Noon

79 " 2090 "

P. M.																				
1		Drift	H. 4 E.	1.2		29.75	79	79	78		bc	Cir	Sum	8	L					
2		"	"	1		29.75	79	79	78		"	"	"	8	"					
3	1 5	"	"	0.1		29.75	79	79	78		"	"	"	7	"					
4		"	"	0.1		29.75	79	80	79		"	"	"	7	"					
5		H. 4 E.	H. 4 E.	2		29.66	73	79	78		"	"	"	6	"					
6		H. 4 E.	"	4		29.68	73	79	78		"	"	"	6	"					
7		H. 4 E.	"	1		29.72	77	78	77		oult	Cir	Sum	0	"					
8	6 H	H. 4 E.	H. 4 E.	4.6		29.72	77	78	77		oult	"	"	0	"					
9		H. 4 E.	H. 4 E.	3		29.77	77	77	76		bc	"	"	2	"					
10		H. 4 E.	H. 4 E.	1.2		29.77	75	77	76		"	"	"	3	"					
11		"	"	1		29.76	76	78	77		"	"	"	5	"					
Mid.		"	H. 4 E.	2		29.75	76	78	77		"	"	"	7	"					

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of *Commander Winfield Scott Pellay*  
*Tuesday March 12<sup>th</sup>*

U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear. Cool. Pleasant. Light to gentle breeze from N. by E. & N.  
(Signed) *Charles J. T. Moore* Ensign.

From 4 to 8 A.M. Clear & pleasant. Gentle breeze from N. N. W. shifting to N. E. Current at 7, 1 foot setting to N. N. E. Observed in Equipment Dept. 51 galley grate bars & 12 cord of wood. At 8 cleared T. P. & stowed yards & hoisted sail to a trawl. Current setting to E. N. E. 1.2 knots. Barometer fell until 6 A.M. when it commenced to rise.  
(Signed) *James V. Cogswell* Lieut.

From 8 to Midnight, Clear, Warm & pleasant. Light to gentle breeze from S. E. & S. W. Barometer steady. Force of current at 10, 1.8 knots setting to N. E. by E. E. H. tide. At 9.15 inspected at quarter, exercised at compass drill and dress parade. At 10.30 fired rail. Exercised forecastle in making up, unstrapping & bundling forecastle.  
(Signed) *Clinton V. Curtis* Lieut.

From Midnight to 4 P.M. Clear Warm. Light breeze from S. falling to light air towards end of watch. Cir. Cum. clouds. No boat put out & sent out. Exercised at torpedo drills. Observed in Ord. Dept. 1 Specimen torpedo with D.E. fuzes & connections, 6 specims, 10 lb torpedoes powder & 1 ball cotton wrapping. Belgian steamer T. J. de Groot (R. & H.) & a small Spanish brigantine came down & anchored.  
(Signed) *Samuel C. Rensley* Ensign.

From 4 to 6 P.M. Cloudy. Pleasant. Light to moderate breeze from N. E. A German steamer came in & anchored. At 5.45 went to quarter and hoisted out clean hammocks. Barometer falling rapidly.  
(Signed) *Charles J. T. Moore* Ensign.

From 6 to 8 P.M. Overcast. Foggy. Threatening weather. Barometer rising rapidly. Light air from N. E. First hour, at 7.30 wind suddenly shifted to S. E. E. blowing fresh in squalls. Lightning in horizon from S. E. to S. W. Raining last hour. Tampers commenced to flow latter part of watch. Put down light yards at sunset.  
(Signed) *James V. Cogswell* Lieut.

From 8 to Midnight. Cloudy fast. Clearing during watch. Gentle breeze at beginning of watch, decreasing to light breeze & light air from S. E. E. N. E. & N. W. Barometer falling slowly. E. H. tide. At 11.30 Belgian steamer got underway stranding S. W. by N.  
(Signed) *Clinton V. Curtis* Lieut.  
*Worshipful John 2<sup>nd</sup> of Dec. 17<sup>th</sup>*  
(Signed) *Ada Walpole* Lieut.

Examined and found to be correct

Navigator.



Off Pointe Island, Rio de la Plata

Tues

Hour.	Knots.	Course steered.	WINDS.		Lacuity.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.														
1		N. by E.	Calms	0.		29.76	74	75	74		bc	Cum	5	
2		S. by E.	"	0		29.76	74	75	74		"	"	6	
3	5	S. by E.	"	0		29.70	74	75	74		"	Cum	8	
4		S. by E.	"	0		29.75	74	75	74		"	"	8	
5		S. by E.	S. E. by E.	3		29.77	74	74	74		bc	"	8	
6		"	S. E.	2		29.79	74	74	73		"	"	7	
7		"	"	2		29.82	74	74	73		"	"	3	
8	1	S. by E.	"	2		29.86	74	74	73		"	"	3	
9		S. by E.	S.	2		29.86	74	75	73		"	"	6	
10		"	"	2		29.86	74	75	73		"	"	8	
11	1 6	S. by E.	S. by E.	2		29.88	74	75	73		"	"	9	
Noon.		S. by E.	S. by E.	2		29.87	74	75	74		"	"	10	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

79 " 1840 "

Tues

P. M.														
1	Flora	S. by E.	S. by E.	1.2		29.87	75	77	75		bc	Cum	8	
2		S. by E.	S. by E.	1.2		29.85	75	78	77		"	"	8	
3		"	"	1.2		29.86	77	79	77		"	"	8	
4		S. by E.	"	1.2		29.89	78	79	77		"	"	8	
5	1 5	S. by E.	S.	2		29.87	81	81	78		"	"	8	
6		"	"	2		29.86	82	80	78		"	"	8	
7		"	S. by E.	2		29.87	77	79	76		"	"	9	
8	1 6	"	"	2		29.85	77	78	76		"	"	9	
9		"	"	3		29.85	74	76	74		bc	Flora	10	
10		"	"	3		29.87	74	75	73		"	"	10	
11	2	"	"	4		29.87	74	74	73		"	"	10	
Mid.		"	S. by E.	4.5		29.87	74	74	73		"	"	10	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Pitt Phelps*  
*Wednesday March 13<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear. Cool. Pleasant. Heavy fall of dew.  
Lightning to H. H. Sea, Sun, faint clouds. (Signed) *Samuel C. Rumbly* Ensign.

From 4 to 8 A.M. Clear first part cloudy latter part. Pleasant. Light  
to gentle breeze from S.E. & E. At 8, crossed light yards. Current  
at 8, 1 part. (Signed) *Charles J. T. Moore* Ensign.

From 8 to 11 A.M. Clear & pleasant. Light breeze from S. first part,  
shifting to H. H. Sea, Sun, clouds. At 9.30 inspected at quarters.  
Exercised 1st & 2nd Divisions at great gun & Powder Division at station.  
Current 1.6 parts at 11.30 setting to the E. N. E. (Signed) *James W. Cogswell* Ensign.

From 11 A.M. to 4 P.M. Clear & pleasant. Light air from H. P. H. & S. H.  
Barometer rising slowly. Flood tide. Force of current at 2, 1.6 parts, setting  
to E. N. E. At 3.30 went to quarters & turned in clean hammocks. (Signed) *Clinton V. Smith* Lieutenant.

From 4 to 6 P.M. Clear. Warm. Light N. E. breeze. Sea, Sun, clouds.  
Current 1.5 parts N. E. (Signed) *Samuel C. Rumbly* Ensign.

From 6 to 8 P.M. Clear. Pleasant. Light breeze from H. H. At sunset  
went down light yards. Current at 8, 1.6 parts. (Signed) *Charles J. T. Moore* Ensign.

From 8 to Midnight. Clear & cool. Gentle to stiff breeze from H. H. first  
part, shifting to H. H. last hour. Bright moonlight. Current 2 parts  
at 11 setting to the North. (Signed) *James W. Cogswell* Lieutenant.

Moon's phase 2<sup>nd</sup> gr. Dec. 11. 25°

Examined and found to be correct.

(Signed) *Ada Halpern* Lieutenant.

Navigator.



## LOG of the UNITED STATES

*Steamer Essex* 3<sup>rd</sup> Rate, 6 Guns.  
Off Flores Islands, Rio de la Plata

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	State of the Sky, in 10ths.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.				
A. M.													
1		S. by E.	N. by E.	4	29.88	74	73	71		b	None	10	
2	1 6	S. by E.	"	4	29.89	74	73	71		"	"	"	
3		S. by E.	"	4	29.85	74	73	71		"	"	"	
4		"	"	4	29.84	74	73	71		"	"	"	
5		S. by E.	N. by E.	4	29.84	74	72	71		b	Clouds	9	
6		S. by E.	"	4	29.87	74	72	71		"	"	19	
7	1 6	"	"	4	29.87	73	72	71		"	"	19	
8		"	"	4	29.87	71	71	71		"	"	19	
9		"	N. by E.	4	29.86	73	74	74		"	"	7	
10		"	"	4	29.86	74	75	75		"	"	7	
11		"	"	4	29.86	74	77	76		"	"	15	
Noon.	1 7	"	N. by E.	4	29.89	76	79	78		"	"	5	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1400 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

79 " 1590 "

P. M.													
1		N. by E.	N. by E.	5	29.84	78	81	78		b	Clouds	3	
2		S. by E.	"	5.6	29.81	79	82	79		"	"	5	
3		N. by E.	"	5.6	29.80	80	82	80		"	"	9	
4	1 4	S. by E.	"	5.6	29.78	80	82	80		"	"	7	
5		S. by E.	N. by E.	3.4	29.77	81	83	81		"	Clouds	7	
6	1 1	S. by E.	"	2.3	29.76	81	83	81		"	"	7	
7		S. by E.	N. by E.	2	29.80	79	82	81		"	"	8	
8	6	S. by E.	N. by E.	1.2	29.78	79	80	79		b	"	4	
9		"	N. by E.	2	29.78	80	79	78		"	Clouds	8	
10		"	"	3	29.78	80	79	78		"	"	7	
11		S. by E.	"	3	29.78	78	78	78		"	"	8	
Mid.		N. by E.	"	3	29.77	78	79	78		"	"	8	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commodore Winfield Scott* *U. S. Navy,*  
*Thursday March 14<sup>th</sup>* 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From 12 to 4 A.M. Clear & pleasant. Moderate breeze from N.W. & W.  
 barometer falling slowly. Faint moonlight first part. Force of current  
 at L. 1.6 fathoms setting to N.E. Received in Pay Dept. 160 fathoms of  
 160 lb. rigging for ship company. (Signed) *Clinton W. Curtis* *Lieut.*

From 4 to 8 A.M. Clear. Cool. Moderate N.W. breeze, Cir, Cum, clouds.  
 A large big rigged German steamer passed up the river. At 8 crossed  
 light yard. Current 1.6 fathoms N.E. Moderate sea. (Signed) *Samuel C. Remy* *Ensign.*

From 8 to Midday Clear. Pleasant. Moderate breeze from N.W. & W. & N.E.  
 At 9.20 inspected at quarters. Expressed complaints A. & J. at single sticks  
 got order of Commanding Officer, Thomas Murphy (S.) was confined  
 to berth deep until further order, for deliberate disobedience of order. Current  
 1.7 fathoms. (Signed) *Charles F. T. Moore* *Ensign.*

From Midday to 4 P.M. Clear & pleasant. Diff to fresh breeze from N.W.  
 Cir, Cum, clouds. Barometer falling slowly. Current 1.4 fathoms setting to the  
 N.E. Clouds moving to the E.N.E. Sea moderate. (Signed) *James W. Cogswell* *Lieut.*

From 4 to 6 P.M. Clear & warm. Moderate breeze from N., decreasing to  
 light breeze. Barometer falling slowly. Sea smooth. Force of current 1.8 fathoms  
 setting to N.E. British steamer came in & anchored. (Signed) *Clinton W. Curtis* *Lieut.*

From 6 to 8 P.M. Clear. Pleasant. Light N.W. breeze. Cir, Cum, clouds.  
 At sunset put down light yard. At last sighted steamer & a small  
 Paraguayan schooner came in by all hands. Instructed Apprentices  
 boys in night Army Signals. Current about .6 fathoms N.E. and E.S. (Signed) *Samuel C. Remy* *Ensign.*

From 8 to Midnight Clear. Cool. Pleasant. Moonlight. Light to  
 gentle breeze from N.W. & W. Lightning to S. and E. English steamer  
 got underway and stood out. (Signed) *Charles F. T. Moore* *Ensign.*

Moon's phase 2<sup>nd</sup> 9<sup>th</sup> Dec, N. 21°.

Examined and found to be correct.

(Signed) *Ala Walp* *Lieut.*

Navigator.



## LOG of the UNITED STATES

*Steamer "Elys"*  
*Off Pointe à Piton, Poir du la Plata*  
*Rate, 6 Guns,*

Hour.	Knots.	Courses steered.	WINDS.		Leeway.	BAROMETER.					TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the mill the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Ball.	Air Wet Ball.	Water at surface.									
A. M.																			
1		<i>H. 4 P.</i>	<i>H. H. H.</i>	3		29.77	78	78	77						<i>bc</i>	<i>Clear</i>	<i>4</i>	<i>M</i>	
2		<i>"</i>	<i>"</i>	3		29.77	78	78	77						<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
3	5	<i>H.</i>	<i>"</i>	3		29.78	78	78	77						<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>	
4		<i>"</i>	<i>"</i>	3		29.78	78	78	77						<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>	
5		<i>H. 4 P.</i>	<i>"</i>	2.5		29.79	76	78	77						<i>bc</i>	<i>"</i>	<i>5</i>	<i>"</i>	
6		<i>"</i>	<i>"</i>	2.5		29.83	75	78	77						<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	
7		<i>"</i>	<i>"</i>	2.5		29.83	75	78	77						<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
8		<i>S. H. 4 P.</i>	<i>"</i>	2.5		29.87	76	78	77						<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	
9		<i>S. H.</i>	<i>H. 4 P.</i>	2		29.89	77	79	79						<i>"</i>	<i>Clear</i>	<i>6</i>	<i>"</i>	
10		<i>S. H. 4 P.</i>	<i>H. 4 P.</i>	3		29.89	78	80	80						<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>	
11		<i>S. H.</i>	<i>"</i>	3		29.89	79	82	81						<i>"</i>	<i>"</i>	<i>7</i>	<i>"</i>	
Noon.	1 2	<i>"</i>	<i>S. H. 4 P.</i>	3		29.89	80	83	81						<i>"</i>	<i>"</i>	<i>4</i>	<i>"</i>	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons 1450 lbs.

Coal remaining on hand at Noon

79 " 140 "

P. M.																			
1		<i>S. H. 4 P.</i>	<i>H. 4 P.</i>	3		29.88	82	84	82						<i>bc</i>	<i>Clear</i>	<i>4</i>	<i>"</i>	
2		<i>"</i>	<i>"</i>	2		29.88	82	84	83						<i>"</i>	<i>"</i>	<i>5</i>	<i>"</i>	
3		<i>"</i>	<i>"</i>	2		29.86	84	85	84						<i>"</i>	<i>"</i>	<i>6</i>	<i>"</i>	
4	9	<i>S. 4 P.</i>	<i>S. 4 P.</i>	1		29.85	84	85	84						<i>"</i>	<i>"</i>	<i>6</i>	<i>"</i>	
5		<i>"</i>	<i>"</i>	1		29.82	84	85	84						<i>"</i>	<i>"</i>	<i>9</i>	<i>"</i>	
6	1	<i>E. 4 P.</i>	<i>"</i>	1		29.82	84	85	84						<i>"</i>	<i>"</i>	<i>9</i>	<i>"</i>	
7	9	<i>S. H. 4 P.</i>	<i>E. 4 P.</i>	1		29.83	82	83	82						<i>"</i>	<i>"</i>	<i>9</i>	<i>"</i>	
8		<i>S. H.</i>	<i>"</i>	1		29.81	81	83	82						<i>"</i>	<i>"</i>	<i>9</i>	<i>"</i>	
9		<i>H. 4 P.</i>	<i>H. 4 P.</i>	1		29.80	82	83	82						<i>"</i>	<i>"</i>	<i>9</i>	<i>"</i>	
10		<i>"</i>	<i>"</i>	2		29.81	80	82	81						<i>bc</i>	<i>"</i>	<i>9</i>	<i>"</i>	
11		<i>H. 4 P.</i>	<i>"</i>	4		29.82	80	82	80						<i>"</i>	<i>"</i>	<i>9</i>	<i>"</i>	
Mid.	1 3	<i>H. 4 P.</i>	<i>"</i>	5		29.81	80	82	78						<i>bc</i>	<i>"</i>	<i>8</i>	<i>"</i>	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Riley  
Friday March 15<sup>th</sup>

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy & pleasant. Moderate breeze from N. N. W. Lightening horizon to S. & E. Barometer steady. Current 5 fathoms setting to the N. E. & E.

(Signed) James V. Cogswell  
Lieut.

From 4 to 8 A.M. Partially cloudy. Pleasant. Light to gentle breeze from N. N. W. Barometer rising rapidly. Sea smooth. Force of current 1 fathom setting to N. E.

(Signed) Clinton V. Curtis  
Lieut.

From 8 to 11 A.M. Clear. Warm. Gentle breeze from S. E. Sun, clouds. At 9.30 French steamer "Pivadaia" got underway & stood out to sea, dipped blue in passing. Returned salute. Engaged in patting down lower rigging. Current 1.2 fathoms N. E.

(Signed) Samuel C. Rensley  
Ensign.

From 11 A.M. to 4 P.M. Clear. Warm. Gentle breeze from S. E. W. falling to light airs from S. E. W. Engaged in patting down & tacking down lower rigging. Current .9 fathoms.

(Signed) Charles B. T. Moore  
Ensign.

From 4 to 6 P.M. Clear & warm. Light air from S. E. W. first from & from E. N. E. last from S. E. smooth. Sun, clouds. Current 1 fathom setting to the N. E. Barometer steady. At 6 started fire in boiler No. 1 & 3.

(Signed) James V. Cogswell  
Lieut.

From 6 to 8 P.M. Clear, warm & pleasant. Light air from E. N. E. Sea smooth. Barometer falling. Force of current 1 fathom setting to N. E. Fire tamped in two boilers.

(Signed) Clinton V. Curtis  
Lieut.

From 8 to Midnight. Clear. Pleasant. Bright moonlight. Light breeze increasing to stiff breeze from N. N. W. Sun, clouds. At 9.45 started distiller. At large steamer came down & anchored. Current 1.2 fathoms N. E. Fire tamped in two boilers. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley  
Ensign.

Morning pressure 2<sup>nd</sup> of Dec, N. 16°

Examined and found to be correct.

(Signed) Ada Halper  
Lieut.

Navigator.



*Steamer Essex*  
*Off Flores Island Rio de la Plata*  
 3<sup>rd</sup> Rate, 6 Guns.

Hour.	Knots.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.														
1		N. N. E.	N. N. E.	5.6	29.81	78	79	78		b	Cum	9	M	
2		N. N. E.	N. N. E.	5.6	29.79	74	79	78		"	"	9	"	
3		N. N. E.	"	5.6	29.79	77	79	78		"	"	9	"	
4		N. N. E.	"	4.5	29.79	77	79	78		"	"	9	"	
5		N. N. E.	"	4	29.80	76	78	76		"	"	9	"	
6		N. N. E.	"	3	29.80	75	76	75		"	"	9	"	
7		N. N. E.	N. N. E.	5	29.80	76	76	75		"	"	9	"	
8		N. N. E.	"	5	29.80	77	79	76		"	"	9	"	
9		N. N. E.	"	3.4	29.80	78	80	78		"	"	9	"	
10		N. N. E.	"	3.4	29.80	81	83	80		"	"	9	"	
11		N. N. E.	"	3	29.80	81	83	80		"	"	9	"	
Noon.		N. N. E.	"	2.3	29.80	81	84	80		"	"	9	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water *Consumed* during the preceding 24 hours

400 "

Water remaining on hand fit for use at Noon

900 "

Coal consumed during the preceding 24 hours

1 tons 790 lbs.

Coal remaining on hand at Noon

77 " 1590 "

P. M.														
1		N. N. E.	N. N. E.	3	29.81	81	85	83		b	Cum	9	M	
2	<i>Pass</i>	"	"	3	29.80	81	85	83		"	"	9	"	
3		"	N. N. E.	4	29.71	81	86	84		"	"	8	"	
4		"	"	4	29.69	84	86	84		"	"	8	"	
5		N. N. E.	N. N. E.	4	29.67	85	88	86		"	"	9	"	
6		N. N. E.	"	4	29.65	85	87	84		"	Cum	9	"	
7		"	N. N. E.	3	29.67	84	85	82		b	"	9	"	
8		"	"	3	29.62	84	84	82		"	"	9	"	
9		N. N. E.	"	2.3	29.67	84	84	82		"	"	8	"	
10		N. N. E.	"	2.3	29.70	83	84	82		"	"	7	"	
11		"	"	3	29.70	83	83	81		"	"	7	"	
Mid.		"	"	3.4	29.64	81	83	81		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander ~~Wesley~~ <sup>Philip</sup>  
Saturday March 16<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Pleasant. Bright moonlight. Shift to fresh breeze from N. by E. & N. by W. blowing in gusts. Moon set 3.55. Fire tankard in two trials. Distilling - (Signed) Charles J. T. Moore

From 4 to 8 A.M. Clear & pleasant. Moderate to shift breeze from N. to N. by E. current at 8. 4 fresh setting to S. by E. Fire tankard in two trials. Distilling - Sea moderate. (Signed) James V. Cogswell

From 8 to 12 M. Clear & warm. Moderate breeze from N. by E. beginning of watch dying away to light breeze. Barometer steady. A large Italian steamer & an English steamer came in & anchored during watch. Small vessel got underway & stood towards the city. At 9.30 half masted colors in company with a German steamer lying at anchor, she sending a corpse ashore for interment. Force of current 8 fresh setting to E. Fire tankard in two trials. Distilling - (Signed) Clinton V. Curtis

From 12 M. to 4 P.M. Clear. Warm. Moderate N. by E. breeze. Sea, sun, clouds. German steamer "Kohlenstein" got underway & stood out to sea, displaying her colors in passing. Barometer steady. A small Hungarian steamer left the harbor displaying her colors in passing. Barometer steady. A Spanish brig got underway & stood up river. Black water at 2. At 3 current changed to N. by W. Fire tankard in two trials. Steam pressure 25 lbs. Distilling - (Signed) Samuel C. Lindsey

From 4 to 6 P.M. Clear. Warm. Moderate breeze from N. by E. & N. by W. fresh provision for crew. Fire tankard in two trials. Steam pressure 25 lbs. Distilling - (Signed) Charles J. T. Moore

From 6 to 8 P.M. Clear. Warm. Gentle breeze from N. by E. Sea, clouds. Barometer steady. Current 9 fresh setting S. by W. A French steamer got underway & stood up the river. Fire tankard in two trials. Distilling - (Signed) James V. Cogswell

From 8 to Midnight. Partially cloudy. Pleasant. Light breeze from N. increasing by end of watch to moderate breeze. Barometer steady. Force of current 1 fresh setting S. by W. Fire tankard in two trials. Distilling - (Signed) Clinton V. Curtis

Examined and found to be correct.

Moore present, 2nd Lt. & Co. N. 10.

(Signed) Alva Walpole

Navigator.



*Steamer "Essex"* 3<sup>rd</sup> Rate, 6 Guns,  
Off Flores Island, Rio de la Plata

Tenth

Hour.	Knots.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.															
1		N. N. W.	N. by W.	5		29.65	81	82	81	bc	Clouds	6			
2		S. S. W.	S. S. W.	6.8		29.65	80	80	79	or	"	0			
3		S.	S. by E.	6.7		29.65	77	77	76	bc	"	4			
4		S. by E.	S. E.	6.7		29.65	77	76	76	"	"	4			
5		S. E. by S.	"	6.8		29.59	77	77	76	ob	Clouds	0			
6		S. by E.	S. W.	4.6		29.67	77	76	76	or	bc	"	0		
7		S. E. by S.	S. by E.	4		29.68	75	74	74	or	"	0			
8		S. by E.	S. S. E.	3		29.70	75	74	74	o	"	0			
9		S. E. by S.	S. by E.	3		29.68	74	75	74	"	"	0			
10		N. E. by E.	N. E.	5.6		29.60	74	75	74	"	"	0			
11	6	N. N. W.	S. by E.	3.4		29.62	74	76	75	"	"	0			
Noon.		W.	S.	0.1		29.66	75	77	76	"	"	0			

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

500 gallons.

Water *Condensed* during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

1 tons 670 lbs.

Coal remaining on hand at Noon

76 " 920 "

Tenth

P. M.																
1		N. by E.	Punta	2.5		29.70	74	77	75		o	Clouds	0			
2	1	S. by E.	"	3.4		29.72	75	77	76		"	"	0			
3		S. by E.	"	4		29.74	77	78	76		"	"	0			
4		S. by E.	"	4		29.76	77	78	76		"	"	0			
5		S. by E.	"	4		29.78	80	78	76		bc	"	3			
6	1	S. by E.	"	4		29.78	78	78	75		"	Clouds	4			
7		"	"	3		29.80	75	78	76		"	"	4			
8		"	"	2		29.80	75	78	76		"	"	5			
9		"	"	2		29.86	76	78	76		"	"	6			
10		S. by E.	"	0.1		29.86	77	78	76		bc	"	1			
11	1	S. by E.	S. by E.	5.7		29.89	75	75	74		ougr	Clouds	0			
Mid.		S. by E.	S. by E.	7		29.88	75	75	74		"	"	0			

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by



under the command of *Commander Winfield Scott Pillsbury*  
*Sunday March 17<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Cool. At 1.50 struck by moderate squalls from S.E. Wind shifting during watch to S.E. Flotation stream "Columbus" got underway & left the harbor. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley Ensign.

From 4 to 8 A.M. Overcast, rain, with thunder & lightning. Flowing a moderate gale from S.E. first hour, shifting gradually to S.W. & falling to a gentle breeze from S.E. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore Ensign.

From 8 to Midnight. Weather overcast. Wind variable in force & direction, shifting around the compass & blowing in fresh squalls from N.E. first part of watch. Wind very light last hour & from the South. Current 0.6 knots setting to the E. At 9.50 the Commanding Officer inspected ship & crew at quarters, afterwards read prayer. Distilling with two trials. Barometer uniformly.

(Signed) James W. Cogswell Lieutenant.

From Midnight to 4 P.M. Overcast. Light breeze from South, increasing to moderate breeze at end of watch. Barometer rising. Moderate sea from South. Force of current 1 1/4 knots setting to E. & S.E. Distilling with two trials.

(Signed) Clinton V. Curtis Lieutenant.

From 4 to 6 P.M. Cloudy. Cool. Pleasant. Moderate S.W. breeze. Cir, Cum, light clouds. Current 1.5 knots N.E. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Samuel C. Rensley Ensign.

From 6 to 8 P.M. Cloudy. Pleasant. Gentle to light breeze from South. Barometer steady. Fire tanked in two trials. Steam pressure 25 lbs. Distilling.

(Signed) Charles F. T. Moore Ensign.

From 8 to Midnight. Cloudy first part. Overcast last half of watch. Wind variable in force, blowing very fresh in squalls last hour. At 10 a thick rain squall came up, afterwards cleared up. Current 1 knot setting N.E. Distilling with two trials.

(Signed) James W. Cogswell Lieutenant.

Moon's phase 2<sup>nd</sup> gr. Dec. of 5°.

Examined and found to be correct.

(Signed) Ada Walpole Lieutenant.

Navigator.



*Steamer "Essex"*  
*Off Pointe à Pitre, Pir du la Rata*  
 5<sup>th</sup> Rate, 6 Guns.

*Tuesday*

Hour.	Knots.	Courses steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in fms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A. M.														
1		<i>S. by E.</i>	<i>S. by E.</i>	6.7		29.88	76	76	75	0	<i>Clear</i>	0	<i>P</i>	
2		<i>S. by W.</i>	"	6.8		29.88	76	75	74	0	"	1	"	
3		"	"	6.8		29.88	76	75	73	"	"	3	"	
4		<i>S. by W.</i>	<i>S. by E.</i>	6.7		29.88	76	75	73	"	"	7	"	
5		<i>S. by W.</i>	<i>S. by E.</i>	5		29.91	76	74	73	"	<i>Clear</i>	6	<i>L</i>	
6		<i>S. by W.</i>	"	3		29.95	74	74	73	"	"	5	"	
7		<i>S. by W.</i>	<i>S. by E.</i>	3		29.96	75	75	73	"	"	4	"	
8	5	"	"	4		29.98	75	75	73	"	"	2	"	
9		<i>S. by W.</i>	<i>S. by E.</i>	5		30.01	74	74	71	0	<i>Clear</i>	0	"	
10		<i>S. by W.</i>	<i>S. by E.</i>	5		30.03	72	74	71	"	"	0	"	
11		"	<i>S. by E.</i>	5		30.03	72	74	72	"	"	0	"	
Noon.		"	"	5		30.05	72	74	72	"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

500 gallons.

Water *Consumed* during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

1 tons 290 lbs.

Coal remaining on hand at Noon

75 " 630 "

P. M.														
1	<i>S. by W.</i>	<i>S. by E.</i>	5		30.02	72	74	71		0	<i>Clear</i>	0	<i>P</i>	
2	<i>S. by W.</i>	"	6		30.02	73	74	71	"	"	0	"		
3	"	"	6.7		30.01	74	74	71	"	"	0	"		
4	<i>S. by W.</i>	<i>S. by E.</i>	6.7		29.99	74	73	70	"	"	0	"		
5	<i>S. by W.</i>	<i>S. by E.</i>	5.6		30.00	73	73	70	<i>bc</i>	<i>Clear</i>	1	<i>H</i>		
6	<i>S. by W.</i>	<i>S. by E.</i>	6.7		30.00	73	73	70	"	"	2	"		
7	<i>S. by W.</i>	<i>S. by E.</i>	6.7		30.01	74	72	70	"	"	3	"		
8	<i>S. by W.</i>	<i>S. by E.</i>	5.6		30.01	74	72	70	"	"	3	"		
9	<i>S. by W.</i>	<i>S. by E.</i>	5		30.01	74	72	69	"	"	2	"		
10	"	"	5		30.03	72	71	69	"	"	1	"		
11	<i>S. by W.</i>	<i>S. by E.</i>	5		29.99	72	71	69	"	"	2	"		
Mid.	"	<i>S. by E.</i>	5.6		29.99	72	71	69	"	"	2	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander Winfield Scott Kellogg*  
*Monday March 18<sup>th</sup>*

U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Cloudy. Fresh breeze from S.E. increasing at times to moderate gale. Barometer steady. Sea rough. Wind decreasing & weather clearing latter part of watch. Current 1.5 knots setting to N.E. & E. Fine hauled in two trils. Distilling.

(Signed) *Clinton V. Smith* *Quint.*

From 4 to 8 A.M. Clear Pleasant. Fresh breeze from S.E. shifting to S.W. at end of watch. Sea, Sun, faint clouds. A large square rigged steamer (P.S. & Co.) passed up the river. Fine hauled in two trils. Steam pressure 25 lbs. Distilling. Current about .5 knots N.E. At 8 around light yard & tower.

(Signed) *Fannul C. Quilty* *Quint.*

From 8 to Midnight, Overcast. Moderate to fresh breeze from S. shifting to S.E. & S.W. At 9.15 observed at general quarters. Time as follows. Eng<sup>rs</sup> Dir, 1<sup>st</sup> 25°. Forenoon Dir, 2<sup>nd</sup> 2<sup>nd</sup> Dir, 2<sup>nd</sup> 20°. Powder Dir, 2<sup>nd</sup> 20°. Star, Dir, 2<sup>nd</sup> 25°. 1<sup>st</sup> Dir, 3<sup>rd</sup> 20°. Forenoon Dir, 1<sup>st</sup> 40°. Star, Dir, 2<sup>nd</sup> 15°. Powder Dir, 2<sup>nd</sup> 20°. Eng<sup>rs</sup> Dir, 4<sup>th</sup> 25°. 2<sup>nd</sup> 4<sup>th</sup> 50°. 1<sup>st</sup> Dir, 4<sup>th</sup> 55°. At 9.45 fired rail. A Brazilian gunboat came in & anchored, saluting by dipping colors in passing. Around the English steamer (P.S. & Co.) & the French bark "Esperance" came in and anchored. Fine hauled in two trils. Steam pressure 25 lbs. Distilling.

(Signed) *Charles F. T. Moore* *Quint.*

From Midnight to 4 P.M. Overcast. Pleasant. Stiff to very fresh breeze from S.E. by S. Equally. Sea rough. Barometer falling slowly. Fine hauled in two trils. Distilling.

(Signed) *Fannul C. Quilty* *Quint.*

From 4 to 6 P.M. Weather cloudy. Strong to very fresh breeze from S.E. & E. Barometer steady. Moderate sea setting to N.W. & W. Perapsul Spear. Fine hauled in two trils. Distilling.

(Signed) *Clinton V. Smith* *Quint.*

From 6 to 8 P.M. Partially clear. Cool. Fresh breeze with very fresh gusts from S.E. by S. Ship rolling & pitching moderately. At sunset sent down light & colors. No perceptible change current. Sustained appearance breeze in night signal (Amby Code) Fine hauled in two trils. Steam pressure 25 lbs. Distilling.

(Signed) *Fannul C. Quilty* *Quint.*

From 8 to Midnight. Cloudy. Cool. Stiff to fresh breeze from S.E. & S.W. blowing in gusts. Moonlight. Sea rough. English steamer (P.S. & Co.) went to sea.

(Signed) *Charles F. T. Moore* *Quint.*

Moon phase 3<sup>rd</sup> gr. Dec, 3.4°.

(Signed) *Ada Walpole* *Quint.*

Examined and found to be correct.

Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"*  
*Off Point Beland, Rio de la Plata*  
 1<sup>st</sup> Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A. M.														
1			<i>S. by E.</i>	<i>S. E. by E.</i>	<i>6.7</i>	<i>30.01</i>	<i>71</i>	<i>71</i>	<i>69</i>	<i>bc</i>	<i>Summit</i>	<i>1</i>	<i>P</i>	
2			<i>S. by E.</i>	<i>"</i>	<i>6.7</i>	<i>29.99</i>	<i>70</i>	<i>71</i>	<i>69</i>	<i>0</i>	<i>"</i>	<i>0</i>	<i>"</i>	
3			<i>S. by E.</i>	<i>S. E.</i>	<i>16</i>	<i>29.96</i>	<i>70</i>	<i>71</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
4			<i>"</i>	<i>"</i>	<i>6</i>	<i>29.96</i>	<i>70</i>	<i>70</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
5			<i>"</i>	<i>"</i>	<i>6</i>	<i>29.96</i>	<i>70</i>	<i>70</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
6			<i>"</i>	<i>"</i>	<i>6</i>	<i>29.96</i>	<i>70</i>	<i>70</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
7			<i>"</i>	<i>"</i>	<i>6</i>	<i>29.96</i>	<i>70</i>	<i>70</i>	<i>70</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
8			<i>"</i>	<i>"</i>	<i>6</i>	<i>29.96</i>	<i>70</i>	<i>70</i>	<i>70</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
9			<i>S. by E.</i>	<i>"</i>	<i>5.6</i>	<i>29.96</i>	<i>70</i>	<i>70</i>	<i>70</i>	<i>or</i>	<i>Summit</i>	<i>0</i>	<i>"</i>	
10			<i>"</i>	<i>"</i>	<i>5.6</i>	<i>29.96</i>	<i>69</i>	<i>69</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
11			<i>S. by E.</i>	<i>E. by S.</i>	<i>3.5</i>	<i>29.92</i>	<i>69</i>	<i>69</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	
Noon.			<i>Maduway</i>	<i>E.</i>	<i>3.4</i>	<i>29.92</i>	<i>69</i>	<i>69</i>	<i>69</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

500 gallons.

Water *Condensed* during the preceding 24 hours

500 "

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

2 tons 1770 lbs.

Coal remaining on hand at Noon

72 " 1100 "

*Further*

P. M.														
1	<i>1</i>	<i>S. by E.</i>	<i>S. by E.</i>	<i>4</i>	<i>29.90</i>	<i>70</i>	<i>68</i>	<i>69</i>	<i>or</i>	<i>Summit</i>	<i>0</i>	<i>"</i>	<i>"</i>	
2	<i>4 5</i>	<i>"</i>	<i>"</i>	<i>7.9</i>	<i>29.70</i>	<i>70</i>	<i>66</i>	<i>68</i>	<i>or</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
3	<i>Handing in for</i>	<i>"</i>	<i>"</i>	<i>15.7</i>	<i>29.84</i>	<i>70</i>	<i>67</i>	<i>68</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
4	<i>Mounting in for</i>	<i>S. by E.</i>	<i>S. by E.</i>	<i>57</i>	<i>29.85</i>	<i>70</i>	<i>65</i>	<i>67</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
5	<i>S. by E.</i>	<i>S. by E.</i>	<i>S. by E.</i>	<i>6.7</i>	<i>29.89</i>	<i>67</i>	<i>65</i>	<i>65</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
6	<i>S. by E.</i>	<i>"</i>	<i>"</i>	<i>6.7</i>	<i>29.88</i>	<i>67</i>	<i>65</i>	<i>65</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
7	<i>"</i>	<i>"</i>	<i>"</i>	<i>6.7</i>	<i>29.83</i>	<i>67</i>	<i>64</i>	<i>65</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
8	<i>"</i>	<i>"</i>	<i>"</i>	<i>4.6</i>	<i>29.80</i>	<i>67</i>	<i>64</i>	<i>65</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
9	<i>"</i>	<i>"</i>	<i>"</i>	<i>4.6</i>	<i>29.80</i>	<i>67</i>	<i>64</i>	<i>65</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
10	<i>"</i>	<i>S. by E.</i>	<i>S. by E.</i>	<i>4.6</i>	<i>29.80</i>	<i>67</i>	<i>64</i>	<i>65</i>	<i>"</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
11	<i>S. by E.</i>	<i>S. by E.</i>	<i>S. by E.</i>	<i>6.8</i>	<i>29.74</i>	<i>67</i>	<i>64</i>	<i>65</i>	<i>or</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	
Mgd.	<i>"</i>	<i>S. by E.</i>	<i>S. by E.</i>	<i>6.7</i>	<i>29.78</i>	<i>66</i>	<i>64</i>	<i>65</i>	<i>or</i>	<i>"</i>	<i>0</i>	<i>"</i>	<i>"</i>	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander Winfield Scott Kelley  
Tuesday March 19<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast & cool fresh breeze from S.E. by S. first half of watch, last two hours from S.E. Fair weather falling. Sea rough. Fire hauled in two trils. Chilling.

(Signed) James V. Cogswell

Lieut.

From 4 to 8 A.M. Weather cloudy & threatening. Fresh breeze from S.E. Barometer steady. Sea rough, & falling to W. At 8, ordered to get all hands to work. Fire hauled in two trils. Chilling.

(Signed) Clinton W. Curtis

Lieut.

From 8 to 11 A.M. Overcast. Raining. Fresh breeze from S.E. falling & shifting to E at end of watch. At 9.15 inspected at gunnery. Engaged in making preparations for getting underway. At 9.30 started fire in two trils & spread them in two. By order of Commander, Thomas Murphy (S. I.) was released from confinement and sent to duty. At 11.20 got underway & stood in near the Vanguard gunboat, communicated with gunboat. Draught forward 13 ft 11<sup>in</sup>. Amshelaps 14 ft 11<sup>in</sup>. Aft 16 ft. Steam pressure 55 lb. Steam in 4 trils.

(Signed) Samuel C. Rensley

Surgeon.

From 11 A.M. to 4 P.M. Overcast. Raining. Squally. Flowing a fresh gale from S. by E. Standing up to Monticello in charge of pilot. At 12, sent down to gallant yards. At 3.56 came to in the harbor of Monticello, with port anchor, 45 fathoms chain, in four fathoms of water. Anchored at anchor. The Mount W. H. W. R. W. Pat Island N. W. 3/4 N. (S. I.) Ship's head S. Steam in four trils. Draught forward 13 ft 10<sup>in</sup>. Amshelaps 14 ft 11<sup>in</sup>. Aft 16 ft.

(Signed) Charles F. T. Moore

Lieut.

From 4 to 8 P.M. Overcast. Raining. Squally. Fresh breeze with very fresh squalls from S.E. At 4.10 hauled fire. At 4.30 turned to 60 fathoms port chain, steamed ahead tiller head apart, let go starboard anchor running to 15 fathoms. Allowed fire to die out & at 7.15 hauled fire. Sea rough. Wind moderating towards end of watch.

(Signed) Samuel C. Rensley

Surgeon.

From 8 to Midnight. Overcast. Raining first two hours. Squally. Wind fresh in squalls from S.E. Shifting during watch to S. by E.

(Signed) Charles F. T. Moore

Surgeon.

Moon phase 3<sup>rd</sup> q<sup>tr</sup> Dec. S. 11°.

Examined and found to be correct.

(Signed) Ada Walpole

Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "Enterprise"

3<sup>rd</sup> Rate, 6 Guns

Montevideo, Uruguay P.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 1/4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1			S. by E.	Drizzle	4.5	29.81	67	65	66		bc	Cum	3	1/2	
2			S. by E.	S. by E.	3.7	29.81	67	65	66		"	"	5	"	
3			S. by E.	S. by E.	5.7	29.81	67	65	66		"	"	4	"	
4			S. by E.	"	5.7	29.82	67	66	66		"	"	1	"	
5			"	"	7.8	29.82	67	66	65		bc	"	1	"	
6			S. by E.	"	7.8	29.84	67	65	65		"	"	1	"	
7			S. by E.	"	7.8	29.88	67	65	65		"	"	3	"	
8			S. by E.	"	7.8	29.93	67	65	65		"	"	5	"	
9			S. by E.	"	5.7	29.86	66	65	65		"	"	4	"	
10			"	"	4.6	29.90	66	66	66		"	Cum	6	"	
11			"	"	5	29.90	66	66	66		"	"	7	"	
Noon.			"	"	5	29.94	67	67	66		"	Cum	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

72 " 850 "

P. M.															
1	Drizzle	S. by E.	4	29.98	67	68	66		bc	Cum	6	1/2			
2	S. by E.	S. by E.	4	29.99	67	68	67		"	"	3	"			
3	S. by E.	S. by E.	4	29.99	68	68	67		"	"	1	"			
4	S. by E.	"	4	30.02	68	68	67		"	"	1	"			
5	S. by E.	"	3	30.02	68	68	67		"	"	3	"			
6	W.	"	2	30.02	68	67	66		"	"	2	"			
7	S. by E.	S. by E.	2	30.01	68	67	66		"	"	5	"			
8	S. by E.	S. by E.	1	30.01	68	67	66		"	"	6	"			
9	S. by E.	S. by E.	0.1	30.03	68	67	66		bc	"	9	"			
10	S. by E.	"	0.1	30.03	67	66	66		"	"	7	"			
11	"	"	0.1	30.06	67	66	66		"	"	15	"			
Mid.	"	S. by E.	2	30.04	65	64	64		"	"	5	"			

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander Winfield Scott Pellus*  
*Wednesday March 20<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Breeze at times falling. Stiff breeze with  
very fresh gusts from S. shifting to S. E. W. towards end of watch. Sea, Cum. Mist,  
clouds.

(Signed) *Samuel E. Leamy* Ensign.

From 4 to 8 A.M. Cloudy & cool. Very fresh breeze from S. E. W. blowing a  
moderate gale, in squares. Chasing up latter part of watch. Sea rough. Long  
swell from S. E. W. Barometer falling rapidly. At daylight sighted "Hartford"  
at anchor. Made slight run, which was answered. "Hartford" made her  
run. Sent Bill of Health, received at quarantine station at Port Island,  
with Surgeon's certificate to Health Officer on shore & received passport. Hauled  
down quarantine flag at 7.30.

(Signed) *James W. Cogswell* Lieut.

From 8 to Midnight, Sea Cool. Very fresh breeze from S. E. falling to  
stiff breeze during watch. Sea rough. Hon in to 45 fathoms on first chain,  
sailing to 15 fathoms starboard chain. At 9.30 inspected at quarantine. Officers  
from English, French, Spanish, Italian & Brazilian men of war called on  
Commanding Officer.

(Signed) *Charles F. T. Moore* Ensign.

From Midnight to 4 P.M. Cloudy & cool. Moderate breeze from S. E. W. Sea  
moderate. At 2, "Hartford" sighted 5 1/2 55. Answered. Received mail. At  
3.30 made interrogating 29 84. "Hartford" answered 9 04. At 3.45 "Hartford"  
made preparatory 4 82 6 & at 3.50, 4 82 6. Fired rail. Pointing to wind.

(Signed) *James W. Cogswell* Lieut.

From 4 to 8 P.M. Cloudy. Breeze at times falling to  
light air during watch. At 5.40 called all hands to muster, when Commanding  
Officer informed crew that general liberty will be given.

(Signed) *Charles F. T. Moore* Ensign.

From 8 to Midnight. Cloudy & cool. Light air from E. N. E. first three hours,  
last hour light breeze from N. E. W. Heavy dew. Sea smooth. Bright moonlight.

(Signed) *James W. Cogswell* Lieut.

Moore placed 3<sup>rd</sup> of Dec, S. 16°

Examined and found to be correct.

(Signed) *Ada Harper* Lieut.

Navigator.



*Steamer "Esmer"* 3<sup>rd</sup> Rate, 6 Guns,  
Montevideo, Uruguay B.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the soil the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. str'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			<i>Drift</i>	<i>N. by E.</i>	3		30.02	65	65	65		<i>bc</i>	<i>Scum</i>	9	<i>M</i>	
2			<i>N. by E.</i>	<i>N. by E.</i>	3		30.02	65	65	63		"	"	9	"	
3			<i>N. by E.</i>	"	2		30.02	65	62	62		<i>bc</i>	<i>Scum</i>	10	"	
4			"	"	2		30.01	63	61	62		"	"	10	"	
5			"	"	1		30.02	63	61	60		"	"	10	"	
6			<i>N. by E.</i>	"	1.2		30.02	63	60	60		<i>bc</i>	<i>Scum</i>	9	"	
7			"	"	2		30.03	64	60	60		"	"	9	"	
8			<i>N. by E.</i>	<i>N. by E.</i>	2		30.05	65	62	62		"	"	9	"	
9			<i>N. by E.</i>	"	2		30.06	65	65	63		"	<i>Scum</i>	9	"	
10			<i>N. by E.</i>	"	2		30.08	65	66	67		"	"	9	"	
11			<i>N. by E.</i>	"	2		30.08	67	68	67		"	"	9	"	
Noon.			<i>N. by E.</i>	"	2		30.07	67	69	68		"	"	9	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1800 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

72 " 600 "

P. M.	Knots.	Fathoms.	Course steered.	Direction.	Force.	Height in inches.	Ther. str'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the soil the vessel is under at end of watch.
1			<i>N. by E.</i>	<i>N. by E.</i>	2		30.04	68	70	68		<i>bc</i>	<i>Scum</i>	9	<i>S</i>
2			<i>N. by E.</i>	"	2		30.04	70	73	70		"	"	10	"
3			<i>N. by E.</i>	"	2		30.02	71	74	72		"	"	7	"
4			<i>N. by E.</i>	<i>N. by E.</i>	2		30.00	71	73	71		"	"	7	"
5			<i>N. by E.</i>	"	2		29.99	72	73	72		"	"	7	"
6			<i>N. by E.</i>	"	2		29.98	71	72	71		"	"	10	"
7			<i>N. by E.</i>	"	2		29.96	70	70	69		"	"	8	"
8			<i>N. by E.</i>	"	2		29.96	70	68	67		"	"	9	"
9			<i>N. by E.</i>	<i>N. by E.</i>	2		29.95	68	67	65		"	<i>Scum</i>	9	"
10			<i>N. by E.</i>	"	3		29.94	68	66	65		"	"	9	"
11			<i>N. by E.</i>	"	3.4		29.94	68	66	65		"	"	9	"
Mid.			<i>N. by E.</i>	"	4		29.93	65	65	64		"	"	9	"

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander Winfield Scott Phelps*  
*Thursday March 21<sup>st</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commander and until 4 A.M. Clear & cool. Pleasant. Quite no light breeze from N. by W. Bright moonlight.

(Signed) *Charles F. T. Moore*

Ensign.

From 4 to 8 A.M. Clear & cool. Light breeze from N. by W. & N. W. Barometer rising. Sea smooth. At 7.40 Flagship made signal 5352. At 7.50 Flagship made preparatory 5455 & at 7.55 made 5455, at 8 borest sail to a truant.

(Signed) *Clinton V. Curtis*

Lieut.

From 8 to Noon, Clear & pleasant. Light breeze from N. W. Sea, smooth, clouds. Sea smooth. Dunt liberty party ashore on 48 hours leave. Commencement of official call. Board of survey consisting of the following officers, Lieut. Hornum, Lieut. C. V. Curtis & Sailmaker Van Meter, surveyed all the deck awnings, all the windshails the fore & mast coon. The board of survey recommended that the Mast of fore coon, the awnings, the forecates & fore hatch windshails be condemned.

(Signed) *James V. Cogswell*

Lieut.

From Noon to 4 P.M. Clear & pleasant. Light breeze from N. by W. Barometer falling slowly. Sea smooth. At 12.50 Flagship made preparatory 4826, at 1, made 4826. Fullest sail.

(Signed) *Clinton V. Curtis*

Lieut.

From 4 to 8 P.M. Clear & pleasant. Light breeze from N. by W. Sea, smooth, clouds. Sea smooth. At 6 "Saltford" made signal 2985, amount. Cloud hawse.

(Signed) *James V. Cogswell*

Lieut.

From 8 to Midnight. Clear & cool. Bright moonlight. Light to moderate breeze from North. Barometer falling slowly. Sea smooth.

(Signed) *Clinton V. Curtis*

Lieut.

Moon's phase 3<sup>rd</sup> of Dec. 22°.

Examined and found to be correct.

(Signed) *Ora Halper*

Lieut.

Navigator.



*Steamer "Essex"* <sup>5<sup>th</sup></sup> Rate, 6 Guns,  
Montevideo, Uruguay S.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETRICAL.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clouds, by symbols.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			H. H. H.	H. H. H.	2		29.93	65	62	61		bc	Gu	3	5	
2			H. H.	"	2		29.94	65	62	61		"	Gu	5	"	
3			H. H. H.	"	2		29.94	65	65	64		"	"	5	"	
4			H. H. H.	"	3		29.94	65	69	62		"	"	9	"	
5			H. H. H.	"	3		29.93	65	69	62		"	"	4	"	
6			H. H. H.	H. H. H.	3		29.94	64	63	63		"	"	4	"	
7			H. H. H.	H. H. H.	3		29.94	64	63	63		"	"	3	"	
8			H. H. H.	H. H. H.	3		29.94	64	63	63		"	"	3	"	
9			H. H. H.	"	3		29.94	64	65	65		"	"	2	"	
10			H. H.	H. H. H.	3.4		29.94	67	69	67		"	"	1	"	
11			H. H.	"	4		29.94	68	75	71		"	"	1	"	
Noon.			H. H.	"	4		29.94	70	75	72		"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water *Pumped* during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

72 " 350 "

P. M.																
1			H. H. H.	H. H. H.	3		29.95	70	73	72		bc	Gu	2	5	
2			H. H. H.	H. H. H.	4		29.94	70	73	73		"	"	2	"	
3			H. H.	H. H.	4		29.94	71	73	73		bc	"	3	"	
4			H. H. H.	H. H. H.	4.4		29.91	72	73	73		"	"	5	"	
5			H. H. H.	H. H. H.	2		29.91	72	74	73		bc	"	5	"	
6			H. H. H.	H. H. H.	2		29.90	72	74	74		bc	"	5	"	
7			H. H. H.	H. H. H.	2		29.94	71	74	74		"	"	4	"	
8			H. H. H.	H. H. H.	2.6		29.98	72	69	69		bc	"	3	"	
9			H. H. H.	H. H. H.	5		29.99	72	70	71		bc	"	8	"	
10			H. H. H.	H. H. H.	5		29.99	72	70	71		bc	"	8	"	
11			H. H. H.	H. H. H.	5		29.99	69	69	69		"	"	8	"	
Mid.			H. H. H.	H. H. H.	5		29.99	69	69	69		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Perry  
Friday March 22<sup>nd</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M. Cloudy first part, cloudy latter part.  
Cool. Light to gentle breeze from N.W. Barometer steady. Sea smooth. Clear  
breeze. Bright moonlight.

(Signed) James V. Cogswell  
Lieut.

From 4 to 8 A.M. Cloudy. Cool. Gentle breeze from N.W. Cir, Cum, clouds.  
Purified in Hangar in Dept. 1000 gallons fresh water. Purified in Pay Dept.  
160 lbs fresh beef & 160 lbs vegetables. At 7.35 Flagship made signal 3351.  
Answered.

(Signed) Samuel C. Rumbly  
Ensign.

From 8 to Midnight, Cloudy & cool. Gentle to moderate breeze from N.W. &  
N.E. Barometer steady. Moderate sea. At 9.30 inspected at quarter. A  
salute of 21 guns was fired from a shore battery, with German color hoisted.  
The Captain of a French & Spanish man of war made official visit on-  
board.

(Signed) Clinton V. Carter  
Lieut.

From Midnight to 4 P.M. Cloudy. Fairing shown latter part of watch. Cir,  
Cum, Mist, clouds. At 12.40 Flagship made preparatory signal 6143.  
Answered. At 1 Flagship hoisted answering pennant. Answered.

(Signed) Samuel C. Rumbly  
Ensign.

From 4 to 8 P.M. Cloudy. Moderate rain squall last hour from S. by E.  
Barometer rising. Sea moderate.

(Signed) Clinton V. Carter  
Lieut.

From 8 to Midnight. Clear. Cool. Breeze from S. & E. Bright  
Moonlight. Cir, Cum, clouds.

(Signed) Samuel C. Rumbly  
Ensign.

Morning show 3<sup>rd</sup> of Dec, 82.5°.

Examined and found to be correct.

(Signed) Ora Walpole  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "Essex" 3<sup>rd</sup> Rate, 6 Guns,  
Montevideo, Uruguay B.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in tenths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1			S. 67 E.	E. S. E.	5.6	30.05	70	69	68		bc	Cum. fine	6		
2			S. E.		5.6	30.06	69	68	67		"	"	6		
3			"	S. E.	5.6	30.08	69	68	67		"	"	6		
4			"	"	5	30.07	68	67	66		"	"	6		
5			E. S. E.	"	5	30.09	68	66	66		"	"	4		
6			"	"	5	30.12	68	66	66		"	bc Cum. fine	6		
7			S. S. E.	"	4	30.15	66	66	65		"	"	4		
8			S. E. 4 E.	"	3	30.18	66	66	66		"	"	6		
9			S. E.	E. S. E.	3	30.15	67	67	66		"	"	6		
10			S. S. E.	"	3	30.15	67	67	66		"	"	5		
11			S. E.	S. E.	3	30.14	67	68	67		"	"	4		
Noon.			S. S. E.	"	3	30.14	67	68	67		"	"	4		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

72 " 100 "

P. M.															
1			S. S. E.	S. E. 4 E.	2	30.22	67	68	67		bc	bc Cum. fine	3		
2			S. E. 4 E.	E. S. E.	3	30.22	67	68	67		"	"	4		
3			"	S. E.	3	30.20	67	68	67		"	"	3		
4			S. E.	E. S. E.	2	30.17	67	68	67		"	"	2		
5			E. S. E.	S. E.	2	30.15	67	66	66		"	"	5		
6			E. 4 E.	N. E. 4 E.	2	30.15	67	64	63		"	"	4		
7			E. 4 E.	"	2	30.14	67	64	64		"	"	4		
8			E. S. E.	"	2	30.13	67	64	64		"	"	5		
9			"	N. E.	2	30.12	67	64	63		"	"	8		
10			"	"	3	30.07	67	63	62		"	bc Cum.	8		
11			"	"	4	30.09	67	62	61		"	"	7		
Mid.			E. 4 E.	N. E. 4 E.	4	30.09	64	62	61		"	"	7		

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Pellus  
Saturday March 23<sup>rd</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear & cool. Stiff breeze to fresh from E. to S.E. Particulate rising. Sea rough. Sun, Moon, clouds, moving to W. & W. & W. Bright moonlight.

(Signed) Clinton V. Austin

Lieut.

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Stiff to gentle breeze from S.E. At 7.30 Flag ship made signal 3551, answered. Particulate rising. An English gunboat got underway & stood up the river. Came in harbor.

(Signed) Charles J. F. Moore

Ensign.

From 8 to 11 A.M. Partially clear. Pleasant. Gentle S.E. breeze. Sea, Sun, Moon, clouds. English gunboat firing at target in offing. Returned from fleet Marine office the following articles of marine clothing, 13 woven trousers, 20 flannel shirts, 20 drawers & 5 muslin caps. Liberty party returned, with exception of James Leetwange (S. L. E.) John Wallenback (S. L. E.) H. W. White (S. L. E.) Fred Porter (S. L. E.) Michael Leary (S. L. E.) H. Thompson (S. L. E.) Clear harbor.

(Signed) Samuel C. Leamy

Ensign.

From 11 A.M. to 4 P.M. Cloudy. Pleasant. Light to gentle breeze from S.E. to E. At 1, sent liberty men ashore. The Brazilian Admiral's Commanding Officer of U.S. J. M. Ship "Votage" called on the Commanding Officer. Clear harbor.

(Signed) Charles J. F. Moore

Ensign.

From 4 to 8 P.M. Clear. Pleasant. Light breeze from H.E. Sea, Sun, Moon, clouds. Michael Leary (S. L. E.) Fred Porter (S. L. E.) & John Wallenback (S. L. E.) returned on board our ship. American bark came in & anchored. Clear in harbor.

(Signed) Samuel C. Leamy

Ensign.

From 8 to midnight. Clear. Cool. Pleasant. Light to moderate breeze from H.E. Bright moonlight.

(Signed) Charles J. F. Moore

Ensign.

Moon phase 3<sup>rd</sup> of Dec. D. 27°.

Examined and found to be correct.

(Signed) Ora Walker

Lieut.

Navigator.



Steamer "Essex"  
 Montevideo Uruguay La.  
 5<sup>th</sup> Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in fths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.			H. E.	North	3		30.08	60	61	61		bc	Cloud	9		
1			H.	"	3		30.06	60	60	60		"	"	9		
2			"	"	3		30.04	60	60	60		"	"	9		
3			"	"	3		30.03	60	60	60		"	"	9		
4			H. by H.	H. by H.	4		30.02	59	58	57		"	"	9		
5			H. by H.	H. by H.	5		30.02	59	56	56		"	Cloud	9		
6			"	"	3		30.00	59	58	58		"	"	7		
7			"	"	3		30.00	59	60	60		"	"	6		
8			"	"	5		30.02	59	65	65		"	Cloud	3		
9			"	"	4		30.00	67	69	69		"	"	3		
10			"	"	4		30.00	70	73	72		"	"	4		
11			"	H. by H.	4		30.00	74	75	73		"	"	5		
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 2090 "

P. M.			H. by H.	H. by H.	4		29.96	71	76	73		bc	Cloud	9		
1			"	"	4		29.93	71	76	73		"	"	9		
2			"	H. by H.	3		29.91	73	76	74		"	"	9		
3			"	"	3		29.89	74	78	76		"	"	9		
4			H. by H.	H. by H.	2		29.89	75	79	77		"	"	9		
5			E. by S.	H. by H.	1		29.89	75	76	75		"	"	9		
6			E. by S.	H. by H.	1		29.86	75	75	74		"	"	9		
7			H. by H.	"	1		29.86	75	73	72		bc	"	9		
8			H. by H.	Calcut	0		29.90	73	70	70		bc	"	10		
9			H. by H.	"	0.1		29.90	71	70	69		"	"	10		
10			"	"	0.2		29.90	70	71	70		bc	Cloud	9		
11			"	"	2		29.90	69	69	68		"	"	9		
Mid.																

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander Winfield Scott Phelps  
Tuesday March 24<sup>th</sup>

U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Cool. Gentle N.E. breeze. Clear, calm, clouds.  
Bright moonlight. Snow & ice in harbor.

(Signed) Samuel C. Rumble  
Ensign.

From 4 to 8 A.M. Clear, cool & pleasant. Moderate breeze from N.E. W. Clear,  
calm, clouds. Sea smooth. Clear harbor.

(Signed) James W. Cogswell  
Lieut.

From 8 to Midnight Cloudy & pleasant. Shift to Moderate breeze from  
N.E. W. & N.W. At 9.45 Commanding Officer inspected ship & crew  
at quarters, afterwards made prayer. By order of Commanding Officer,  
M. E. King (Rel.) was released from confinement. Clear harbor. J. R. Exchange  
(G. Smith) & Herman Thompson (L.C.F.) absent without leave.

(Signed) Charles F. T. Moore  
Ensign.

From Midnight to 4 P.M. Clear & pleasant. Moderate to gentle breeze from  
N.E. W. first part, shifting to N.W. last part of watch. Sea smooth.  
Clear, calm, clouds. Harbor clear. Frost laid. Ship rising to wind.  
Sent a visiting party to the "Hartford".

(Signed) James W. Cogswell  
Lieut.

From 4 to 8 P.M. Clear. Pleasant. Light breeze to air from N.E. W.  
& N.W. Lightning to S.E. last hour. Clear harbor at end of watch.

(Signed) Charles F. T. Moore  
Ensign.

From 8 to Midnight. Clear & cool. Calm first part, latter part  
light breeze from N. Bright moonlight. Moon rose at 10. Clear  
harbor.

(Signed) James W. Cogswell  
Lieut.

Moon phase 3<sup>rd</sup> 25, Dec, S. 28°

Examined and found to be correct.

(Signed) Osa Halper  
Lieut.

Navigator.



## LOG of the UNITED STATES

Steamer "Essex", 3<sup>rd</sup> Rate, 6 Guns,  
Montevideo, Uruguay P.R.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Laziness.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			H. H. H.	North	3		29.89	69	68	68		bc	cu	5		
2			"	"	3		29.89	69	68	68		"	"	5		
3			H. H. H.	"	3		29.87	69	68	67		"	"	7		
4			H. H. H.	H. H. H.	L		29.87	69	68	67		"	"	7		
5			H. H. H.	H. H. H.	1.2		29.87	68	68	68		"	"	4		
6			"	"	1.2		29.89	68	68	68		"	"	3		
7			"	"	1.2		29.89	68	68	68		"	"	3		
8			H. H. H.	H. H. H.	1.2		29.90	70	70	69		"	cu	2		
9			H. H.	H. H.	L		29.91	71	73	72		bc	"	1		
10			"	"	0.1		29.91	73	74	74		"	"	L		
11			H. H. H.	H. H. H.	0.1		29.91	73	76	75		om	cu	0		
Noon.			H. H. H.	"	1		29.91	74	76	75		"	"	0		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

750 "

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 1840 "

P. M.																
1			H. H. H.	H. H.	L		29.90	73	75	75		om	cu	0		
2			H. H.	"	L		29.88	73	75	75		"	"	0		
3			H.	H. H. H.	L		29.87	73	75	75		"	"	0		
4			"	"	L		29.86	73	75	74		"	"	0		
5			"	"	L		29.85	73	74	74		"	"	0		
6			"	"	L		29.85	72	74	74		"	"	0		
7			H. H. H.	"	L		29.85	72	73	72		"	"	0		
8			H. H. H.	"	L		29.83	72	73	72		bc	"	4		
9			H. H. H.	H. H.	L		29.76	71	74	73		bc	"	2		
10			"	"	L		29.76	71	73	73		bc	"	1		
11			"	"	L		29.70	71	73	73		"	"	1		
Mid.			"	"	L		29.70	71	72	72		bc	"	0		

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander Winfield Scott Phelps  
Monday March 25<sup>th</sup>

U. S. Navy,

1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M. Cloudy - Cool. Pleasant. Quarter to light breeze from N. & N. by E. Bright Moonlight. Clear horizon.  
(Signed) Charles F. T. Moore

From 4 to 8 A.M. Cloudy & pleasant. Light breeze from N. N. W. shifting to N. W. by N. Barometer rising slowly. Sea smooth. At 7.30 Flag ship made signal 3356, answered. At 7.25 canister came on board, commenced canistering both decks. At 8 distant ship, Brazilian color at main, American at fore and Mizzen, in company with Brazilian Flagship. At 7 water light came along side, received on board 750 gallons fresh water.  
(Signed) Clinton V. Curtis

From 8 to 11 A.M. Cloudy & pleasant, overcast last two hours. Light air from N. W. first two hours, from S. W. by S. last two hours of watch. Cum. thin & clouds. Barometer steady. Working from shore by contract, on board engaged in canistering both decks. Commanding Officer of U.S. Ship "Foam" paid an official visit to the Commanding Officer. At noon a salute of 21 guns was fired by the gun of war in port. Picking to flood.  
(Signed) James V. Cogswell

10 4 P.M.  
From 11 A.M. to 4 P.M. Cloudy & pleasant. Light breeze from S. W. shifting to S. E. Barometer falling. Sea smooth. Engaged in canistering both decks. Received on board 800 lbs of pump from Flag ship.  
(Signed) Clinton V. Curtis

From 4 to 8 P.M. Overcast first three hours, clearing up last hour. Cum. thin & clouds. Lightning in horizon to the N. W. latter part of watch. Picking to the flood. Clear horizon.  
(Signed) James V. Cogswell

From 8 to Midnight Cloudy & threatening. Wind light from N. E. Barometer rising slowly. Sea smooth. Raining last hour.  
(Signed) Clinton V. Curtis

Moon's phase 3<sup>rd</sup> or 2<sup>nd</sup> Dec, S. 26°

Examined and found to be correct.

(Signed) Ala Halsey

Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Barometre.	TEMPERATURE.				State of the Weather, by symbols.	Force of Clouds, by symbols.	Direction of Wind, by symbols.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1			S. by E.	E. by N. E.	2	29.78	72.74	74	62	61	62	62	62	62	62
2			S. by E.	"	1.2	29.75	72.74	74	61	60	61	61	61	61	61
3				Calms	0	29.73	72.74	74	60	59	60	60	60	60	60
4			E.	"	0	29.73	72.74	73	60	59	60	60	60	60	60
5			E. by S.	S. by E.	1.3	29.70	71.72	72	59	58	59	59	59	59	59
6				"	1	29.70	71.72	72	59	58	59	59	59	59	59
7			S. by E. by S.	"	1	29.70	71.71	70	59	58	59	59	59	59	59
8			E. by N. E.	S. by E.	1	29.70	71.71	70	59	58	59	59	59	59	59
9			E. by S.	S. by E. by S.	2	29.68	70.72	71	58	57	58	58	58	58	58
10			E.	S. by E. by S.	2	29.68	70.72	72	58	57	58	58	58	58	58
11			S. by E.	"	2	29.72	71.70	70	59	58	59	59	59	59	59
Noon.			S. by E. by S.	"	2	29.72	70.71	72	59	58	59	59	59	59	59

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 1590 "

P. M.															
1			S.	S. by E.	4	29.71	69.69	69	62	61	62	62	62	62	62
2			"	S. by E.	3	29.70	70.70	70	61	60	61	61	61	61	61
3			"	S. by E.	2	29.70	70.70	70	61	60	61	61	61	61	61
4			"	S. by E.	2	29.70	70.70	70	61	60	61	61	61	61	61
5				"	2	29.72	70.71	70	61	60	61	61	61	61	61
6			S. by E.	"	2	29.72	70.70	70	61	60	61	61	61	61	61
7			S. by E.	"	2	29.73	70.70	70	61	60	61	61	61	61	61
8			S. by E.	S. by E.	3	29.75	70.70	70	61	60	61	61	61	61	61
9			S. by E.	S. by E.	4.6	29.77	70.69	69	62	61	62	62	62	62	62
10			"	"	4.6	29.77	70.69	69	62	61	62	62	62	62	62
11			S. by E.	"	5.7	29.82	69.68	68	62	61	62	62	62	62	62
Mid.			S. by E.	"	5.0	29.83	69.68	68	62	61	62	62	62	62	62

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of *Commodore Winfield Scott Schley*  
*Tuesday March 26<sup>th</sup>*

, 187.

## RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

(Piquet) James R. Cogswell

(Signed) Samuel C. Rindley Esq.

(Signed) Clinton K. Custer

(Signed) Samuel C. Lundy

(Signed) Clinton W. Curtis

(Piquet) Pannet G. Remy G. Miquet.

(Signed) Wm Walter Linn



*Steamer "Esper"* 3<sup>rd</sup> Rate, 6 Guns,  
Montevideo Uruguay S.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prev. of Clear Sky, in 10ths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.			S. S. W.	S. S. W.	6.7		29.83	65	66	64	bc	Clear	1	7	P	
1			S. S. W.	S. S. W.	6.7		29.83	65	66	64	"	"	8	"	"	
2			S. S. W.	S. S. W.	6.7		29.83	65	66	64	"	"	8	"	"	
3			S. S. W.	S. S. W.	6.7		29.83	65	66	64	"	"	8	"	"	
4			S. S. W.	"	6.7		29.83	65	65	64	"	"	6	"	"	
5			"	"	6.7		29.83	67	64	63	"	"	4	"	"	
6			"	"	5.7		29.85	64	64	63	"	"	5	"	"	
7			"	"	5.7		29.87	64	63	62	"	"	6	"	"	
8			"	"	6.7		29.90	63	64	63	"	"	4	"	"	
9			"	"	7		29.93	64	64	63	"	"	5	"	"	
10			"	"	5		29.95	64	64	64	"	"	6	"	"	
11			"	"	4.5		29.97	64	64	63	"	"	6	"	"	
Noon.			"	"	4.5		29.99	64	64	62	"	"	6	"	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 1340 "

P. M.																	
1	S. by W.	S. by W.	4.5	30.00	65	64	63		bc	Clear	4	P					
2	S. by W.	"	4.5	30.00	65	65	64		"	"	3	"					
3	S. by W.	"	4	30.03	65	65	64		"	"	4	"					
4	S. by W.	"	4	30.03	65	65	64		"	"	4	"					
5	S. by W.	S. by W.	3	30.03	66	66	64		"	"	8	"					
6	S. by W.	S. by W.	2	30.04	65	64	64		"	"	8	"					
7	"	"	2	30.04	66	64	64		"	"	8	"					
8	"	"	3	30.02	66	65	64		"	"	9	"					
9	"	"	4.6	30.02	66	64	64		"	"	9	"					
10	"	"	5	30.02	66	64	64		"	"	8	"					
11	S. by E.	S. by E.	5	30.02	66	63	63		"	"	9	"					
Mid.	S. by E.	S. by E.	4	30.02	66	63	63		"	"	7	"					

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander Winfield Scott Schley  
Wednesday March 27<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Clear & cool. Fresh breeze from S.E. & S.W. by S increasing at times to very fresh breeze. Barometer steady. Sea rough. Open hawes.

(Signed) Clinton K. Curtis

Lieut.

From 4 to 8 A.M. Cloudy. Cool. Stiff to very fresh breeze from S.E. & S.W. blowing in gusts. Sea rough. Barometer rising. Clear hawes. At 7.30 Flagship signalled. Hazy order, 3351, answered.

(Signed) Charles F.T. Moore

Ensign.

From 8 to Noon, Clear & pleasant, with stiff to moderate breeze from S.E. & S.W. At 9.50 anchored at quarter. At 11.20 "Hartford" made general signal 5493, answered. Sea rough but moderating. Clear hawes. An English Steamer L. & Co. came in. The following named when are about from the ship without leave. James Rutledge (C. Smith) W. C. Blake (Wach) Alfred Stables (P.M.) Ora Hitchell (Cole) James Mc Carthy (I. C. F.) Jim Donovan (2. C. F.) Dennis Valine (T. Tator) H. Thompson (3. C. F.)

(Signed) Samuel C. Lundy

Ensign.

From Noon to 4 P.M. Cloudy. Cool. Fresh to moderate breeze from S.E. & S.W. A large steamer came in & anchored. Clear hawes. Barometer rising.

(Signed) Charles F.T. Moore

Ensign.

From 4 to 8 P.M. Clear. Pleasant. Moderate S.E. & S.W. breeze falling light towards end of watch. Fair, clear, clouds. Rough sea first part of watch going down towards end. Clear hawes.

(Signed) Samuel C. Lundy

Ensign.

From 8 to Midnight. Clear. Pleasant. Cool. Moderate to fresh breeze from S.E. & S.W. shifting to S.E. Clear hawes. Barometer steady.

(Signed) Charles F.T. Moore

Ensign.

Moon seen 4<sup>th</sup> gr. Dec. 9. 20°.

Examined and found to be correct.

(Signed) Ora Walpole

Lieut.

Navigator.



*Steamer "Essex"* 3<sup>rd</sup> Rate, 6 Guns,  
Montevideo, Uruguay P.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prep. of Clear Sky, in fths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.			<i>S. by E.</i>	<i>S. by E.</i>	<i>2</i>		<i>30.06</i>	<i>65</i>	<i>64</i>	<i>64</i>		<i>bc</i>	<i>6</i>	<i>8</i>		
1			"	"	<i>2</i>		<i>30.06</i>	<i>65</i>	<i>64</i>	<i>64</i>		"	"	<i>7</i>	"	
2			"	"	<i>2</i>		<i>30.05</i>	<i>65</i>	<i>64</i>	<i>64</i>		"	"	<i>8</i>	"	
3			"	<i>S. E. by S.</i>	<i>2</i>		<i>30.05</i>	<i>65</i>	<i>64</i>	<i>64</i>		"	"	<i>8</i>	"	
4			"	"	<i>2</i>		<i>30.05</i>	<i>65</i>	<i>64</i>	<i>64</i>		"	"	<i>8</i>	"	
5			"	"	<i>2</i>		<i>30.05</i>	<i>65</i>	<i>64</i>	<i>64</i>		"	"	<i>8</i>	"	
6			"	<i>N. W.</i>	<i>2</i>		<i>30.05</i>	<i>64</i>	<i>63</i>	<i>63</i>		"	"	<i>8</i>	"	
7			<i>S. E.</i>	"	<i>2</i>		<i>30.05</i>	<i>64</i>	<i>60</i>	<i>63</i>		"	"	<i>4</i>	"	
8			"	"	<i>1</i>		<i>30.07</i>	<i>61</i>	<i>59</i>	<i>60</i>		"	"	<i>8</i>	"	
9			<i>E. S. E.</i>	"	<i>1</i>		<i>30.08</i>	<i>61</i>	<i>63</i>	<i>63</i>		"	"	<i>9</i>	"	
10			"	"	<i>1</i>		<i>30.14</i>	<i>64</i>	<i>66</i>	<i>66</i>		"	"	<i>7</i>	"	
11			"	<i>E. N. E.</i>	<i>1</i>		<i>30.15</i>	<i>64</i>	<i>66</i>	<i>66</i>		"	"	<i>6</i>	"	
Noon.			<i>S. by E.</i>	<i>S.</i>	<i>2</i>		<i>30.15</i>	<i>65</i>	<i>66</i>	<i>66</i>		"	"	<i>6</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

500 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 1090 "

P. M.			<i>South</i>	<i>S. E.</i>	<i>2</i>		<i>30.14</i>	<i>66</i>	<i>66</i>	<i>65</i>		<i>bc</i>	<i>6</i>	<i>8</i>		
1			<i>S. S. E.</i>	"	<i>2</i>		<i>30.12</i>	<i>66</i>	<i>66</i>	<i>65</i>		"	"	<i>8</i>	"	
2			"	"	<i>2</i>		<i>30.12</i>	<i>66</i>	<i>66</i>	<i>65</i>		"	"	<i>8</i>	"	
3			<i>S. E. by S.</i>	"	<i>3</i>		<i>30.12</i>	<i>67</i>	<i>66</i>	<i>65</i>		"	"	<i>9</i>	"	
4			<i>S. E.</i>	"	<i>4</i>		<i>30.10</i>	<i>66</i>	<i>65</i>	<i>65</i>		"	"	<i>8</i>	"	
5			"	"	<i>4</i>		<i>30.10</i>	<i>66</i>	<i>65</i>	<i>64</i>		"	"	<i>8</i>	"	
6			"	"	<i>4</i>		<i>30.13</i>	<i>66</i>	<i>64</i>	<i>64</i>		"	"	<i>9</i>	"	
7			<i>S. E. by E.</i>	"	<i>5</i>		<i>30.13</i>	<i>65</i>	<i>64</i>	<i>63</i>		"	"	<i>7</i>	"	
8			<i>E. S. E.</i>	<i>E. S. E.</i>	<i>4</i>		<i>30.12</i>	<i>65</i>	<i>63</i>	<i>63</i>		<i>bc</i>	<i>6</i>	<i>8</i>	"	
9			"	<i>E. N. E.</i>	<i>4</i>		<i>30.12</i>	<i>65</i>	<i>63</i>	<i>63</i>		"	"	<i>9</i>	"	
10			<i>S. E.</i>	"	<i>3</i>		<i>30.12</i>	<i>66</i>	<i>63</i>	<i>63</i>		<i>bc</i>	"	<i>8</i>	"	
11			<i>E. S. E.</i>	"	<i>3</i>		<i>30.13</i>	<i>66</i>	<i>63</i>	<i>63</i>		<i>0</i>	"	<i>0</i>	"	
Mid.																

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander Winfield Scott Phelps  
Thursday March 28<sup>th</sup>

, U. S. Navy,

1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced 4 until 4 A.M. Clear Cool. Light breeze from S.E. by S. Sea, Sun, faint, clouds. At 1.10 Moon set. Clear weather.  
(Signed) Samuel C. Lewis Ensign.

From 4 to 8 A.M. Cloudy first part, clear & pleasant latter part of watch. Light air to gentle breeze from N.W. to N. At 7.50 "Hartford" signaled 3351, answered. At 7.50 "Hartford" signaled 5455, answered. At 8 broad sail. Gang of caulpers, 25 men, from shore, at work on hull deck. Clear weather.  
(Signed) James V. Cogswell Ensign.

From 8 to Noon, Clear Pleasant. Light air to light breeze from N. shifting to S. At 9.30 Mustard at quarter. At 10 sent Liberty party ashore. At 10.15 Flag ship made general signal 3074. Clear weather. Caulpers from city at work on spar deck.  
(Signed) Charles B.T. Moore Ensign.

From Noon to 4 P.M. Clear & pleasant. Light breeze from S.E. Sea, Sun, clouds. Barometer steady last three hours of watch. At 1 "Hartford" made signal 4826, answered. At 1.15 furled sail. At 3, H.C.B. "Faubus Griffin" got underway & stood out to sea. Discharged at his own request Scott E. Winfield, by order of Commanding Officer. Caulpers from shore at work on spar deck. Clear weather.  
(Signed) James V. Cogswell Ensign.

From 4 to 8 P.M. Clear Cool. Pleasant. Moderate to stiff breeze from S.E. At sunset sent down to gallant yard. Clear weather.  
(Signed) Charles B.T. Moore Ensign.

From 8 to Midnight. Clear first three hours, overcast last hour. Cool. Moderate breeze first part from S.E. Light breeze latter part from E. N. E. Lightning in horizon to the N.W. Clear weather.  
(Signed) James V. Cogswell Ensign.

Moon set 4<sup>th</sup> 9<sup>th</sup> Dec, 16°

Examined and found to be correct.

(Signed) Ora Halpern Ensign.

Navigator.



## LOG of the UNITED STATES

Steamer

"Essex"

S<sup>rd</sup> Rate, 6 Guns,

Montevideo, Uruguay P.A.

Hour.	Knots.	Fathoms.	Current set and strength.	WINDS.		Barometer.	TEMPERATURE.				State of the Weather by symbols.	Form of Clouds by symbols.	Prevalence of Wind in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 6.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A. M.															
1			E. by E.	E. by E.	3	30.13	66	63	63		bc	Cum. Mist	1	S	
2				"	3	30.13	66	63	63		"	"	4	"	
3			E. by N.	"	4	30.14	66	63	62		0	"	0	"	
4				"	4	30.14	66	64	63		bc	"	5	"	
5			E. by E.	"	3	30.13	65	64	64		"	"	2	"	
6			"	"	2	30.15	65	65	65		"	"	1	"	
7			E.	"	2	30.15	65	66	65		"	"	1	"	
8			"	"	2	30.15	66	66	65		"	"	1	"	
9			E. by S.	"	3	30.14	65	66	66		0	"	0	"	
10			E. by N.	E. by N.	3	30.14	66	67	66		or	"	0	"	
11			"	"	3.5	30.12	66	69	67		"	"	0	"	
Noon.			"	"	3.5	30.13	68	70	68		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

1200 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 840 "

P. M.															
1			E. by N.	E. by S.	4.5	30.10	69	71	69		bc	Cum. Mist	2	M	
2				"	4.5	30.08	70	72	70		"	"	4	"	
3			E. by E.	"	4.5	30.06	70	72	70		"	"	3	"	
4				"	4.5	30.06	70	70	70		"	"	1	"	
5			E. by S.	"	4.6	30.07	70	70	69		og	"	0	"	
6			"	"	4.6	30.07	70	70	69		"	"	0	"	
7				"	4.6	30.07	70	70	69		"	"	0	"	
8			E. by E.	"	4.6	30.07	70	69	69		"	"	0	"	
9			E. by N.	E. by N.	4.5	30.07	70	69	69		0	"	0	"	
10				"	3.4	30.07	70	69	69		"	"	0	"	
11			N. E. by N.	E. by E.	2.5	30.07	70	69	69		"	"	0	"	
Mid.			N. E. by E.	N. E. by E.	1.2	30.07	70	69	69		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander Winfield Scott Pellis  
Friday March 29<sup>th</sup>

, U. S. Navy,

, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cor. Gunter to moderate breeze from E. N. E.

(Signed) Charles B. T. Allen  
Ensign.

From 4 to 8 A.M. Weather cloudy. Light breeze from E. N. E. Barometer rising slowly. Sea smooth. At 6.45 cablegram came on board. Engaged in capturing whales deep. Perished 1200 gallons fresh water. At 7.30 Flagship made signal 3351, answered. At 7.50 Flagship made preparatory shot, answered immediately after made 4363. Flagship answered 904. At 7.15 U.S. Gunboat "Foam" left the harbor.

(Signed) Clinton W. Curtis  
Lieut.

From 8 to Midnight. Breeze & cor. Moderate breeze from E. by N. Flowing fresh in puffs. By order of Commanding Officer, Nicholas Refsch (D. 126) & Thomas C. Pugh (D. 126) were released from confinement. Were in harbor.

(Signed) James W. Cogswell  
Lieut.

From Midnight to 4 P.M. Cloudy. Moderate breeze, increasing to fresh breeze from E. by S. Barometer falling. Moderate falling to S.W. At 3.30 brought starboard chain to & wore up anchor. U.S. Gunboat "Foam" came in.

(Signed) Clinton W. Curtis  
Lieut.

From 4 to 8 P.M. Breeze & cor. Moderate breeze from E. by S. Flowing fresh in squalls. Barometer steady. Sun, Moon, clouds. At 3.30 starboard anchor made to 30 fathoms chain & wore in to 30 fathoms, port chain, logging the anchor out in a line E. by S. & N. by N. Alva Whitall (Lieut.) & Alfred Shattuck (P.M.) returned on board, having overhauled liberty from days & for home.

(Signed) James W. Cogswell  
Lieut.

From 8 to Midnight. Weather cloudy. Strong breeze from E. by N. at beginning of watch, shifting to N. by E. & decreasing to light air at end of watch. Barometer steady. Sea smooth.

(Signed) Clinton W. Curtis  
Lieut.

Moon phase 4<sup>th</sup> gr. Dec, S. 11°.

Examined and found to be correct.

(Signed) Alva Whitall  
Lieut.

Navigator.



Montevideo, Uruguay B.D.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in tenths.	State of the Sea.	Record of the roll the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			N. by E.	N. E. by E.	2		30.09	70	69	69		or	thin	0	S	
2			N.	E.	1.2		30.08	70	69	69		03	"	0	"	
3			N. E.	E. N. E.	2		30.08	70	68	68		"	"	0	"	
4			E.	"	1.2		30.06	70	68	68		"	"	0	"	
5			E. S. E.	S. E.	1		30.08	70	69	69		04	"	0	"	
6			"	E. S. E.	1		30.08	69	69	69		"	"	0	"	
7			"	S. E.	1		30.09	69	69	69		"	"	0	"	
8			S. E. by E.	"	1		30.09	69	69	70		"	"	0	"	
9			E. S. E.	N.	2		30.09	69	70	70		"	"	0	"	
10			E.	"	2		30.09	69	71	71		"	"	0	"	
11			E. N. E.	N. E.	2		30.09	69	72	71		03	"	0	"	
Noon.			N. E. by N.	N. N. E.	2		30.09	71	73	72		or	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71 " 590 "

P. M.																
1			N. E.	N. E.	2		30.08	71	73	73		or	thin	0	S	
2			"	"	1		30.07	71	73	73		"	"	0	"	
3			N. N. E.	N. N. E.	1		30.04	71	73	74		"	"	0	"	
4			E. N. E.	E. N. E.	1.2		30.03	71	73	73		0	"	0	"	
5			E. S. E.	E.	1.2		30.04	72	73	72		"	"	0	"	
6			"	"	1.2		30.05	72	73	72		or	"	0	"	
7			"	"	1.2		30.05	72	73	72		0	"	0	"	
8			S. E. by E.	"	2		30.05	72	73	72		to	"	0	"	
9			E. by S.	"	2		30.06	72	72	73		"	Sum. fine	8	"	
10			"	"	2		30.06	71	72	72		"	"	0	"	
11			E.	"	2		30.04	71	72	72		"	"	0	"	
Mid.			E. by N.	"	2		30.04	71	72	72		"	"	0	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

\*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of *Commander Winifred Scott Field*  
*Saturday March 30<sup>th</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast. Cool. Drizzling rain. Light breeze from E. to N.E. by E. Barometer falling slowly. Mist, clouds. Clear.

(Signed) *James V. Corzwell* Lieut.

From 4 to 8 A.M. Overcast. Drizzling rain. Light air from S.E. Mist, clouds. At 7.30 Flagship made general signal 3351, answered. Clear horizon. A gang of 24 cablemen at work on board.

(Signed) *Samuel C. Lundy* Ensign.

From 8 to Midnight. Cloudy, with drizzling rain first part, raining last hour. Light breeze from E.N.E. shifting to N.W.E. Barometer steady. Sea smooth. Engage in caulking spar deck. Edwin Hinckley (N.O.M.) a prisoner awaiting trial by general court martial, was brought to the mast by a copy of charges & specifications against him delivered to him. By order of Commander, John E. Smith (D.L.) was confined in single room for good conduct to Office of Division.

(Signed) *Clinton W. Curtis* Lieut.

From Midnight to 4 P.M. Overcast. Rainy. Light N.E. air. Mist, clouds. A gang of 24 cablemen at work on board. Shows in horizon. Prisoner on board John Riley (Sea) he having exhibited 18 months general service.

(Signed) *Samuel C. Lundy* Ensign.

From 4 to 8 P.M. Cloudy. Drizzling rain first three hours. Partially clear last hour. Barometer steady. Sea smooth. Light breeze from E. Clear horizon.

(Signed) *Clinton W. Curtis* Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Light E.N.E. breeze. Clear, mist, clouds. Clear horizon.

(Signed) *Samuel C. Lundy* Ensign.

Morning below 4<sup>th</sup> gr Bar, 30.6°

Examined and found to be correct.

(Signed) *Wesley H. Watson* Lieut.

Navigator.



Hamm Esq

Rate, 6 Guns.  
Montevideo, Uruguay P.A.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Lagway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			H.C.	H.C.	2		30.07	71	72	71		Lc	Cum. f. 1	1		
2			H. 7 C.	"	1.2		30.07	71	72	71		"	"	1	"	
3			H. 7 C.	"	2		30.07	71	71	71		"	"	1	"	
4			H.	"	2		30.06	70	70	70		O	"	0	"	
5			H. C.	H.	2		30.06	70	70	70		"	"	0	"	
6			"	"	2		30.06	70	70	70		"	"	0	"	
7			C. 7 C.	"	2		30.08	69	70	70		"	"	0	"	
8			C.	"	2		30.08	69	70	70		"	"	0	"	
9			C. 7 C.	H. 7 C.	2		30.07	69	71	70		"	"	0	"	
10			C. C.	H.	2		30.09	69	72	71		"	"	0	"	
11			C. 7 C.	"	2		30.10	70	73	72		"	"	0	"	
Noon.			C. 7 C.	"	2		30.10	70	73	72		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

500 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 250 lbs.

Coal remaining on hand at Noon

71" 340 "

P. M.																
1			C.	C.	2		30.09	70	72	72		O	Cum. f. 0	0		
2			"	"	3		30.08	70	72	72		"	"	0	"	
3			C. 7 C.	"	3		30.07	70	72	72		"	"	0	"	
4			C. 7 C.	C. 7 C.	3		30.07	70	72	72		"	"	0	"	
5			C. 7 C.	C. 7 C.	3		30.07	70	71	71		"	"	0	"	
6			C. 7 C.	"	4		30.06	72	71	71		"	"	0	"	
7			C. 7 C.	"	4.5		30.06	72	71	71		"	"	0	"	
8			"	"	4.5		30.07	72	71	71		"	"	0	"	
9			"	C.	4.6		30.07	70	70	69		"	"	0	"	
10			C. 7 C.	"	4.7		30.07	71	70	69		"	"	0	"	
11			C. 7 C.	"	4.7		30.07	71	70	69		"	"	0	"	
Mid.			C. 7 C.	"	4.6		30.07	71	70	69		"	"	0	"	

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander Winfield Scott Schley*  
*Thursday March 31<sup>st</sup>*

, U. S. Navy,  
1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M. Cloudy & threatening. Light breeze from N.E.  
Barometer steady. Sea smooth. Clear horizon.  
(Signed) *Clinton K. Smith* *Ensign.*

From 4 to 8 A.M. Overcast. Cool. Light breeze from N. At 7.30 Flagship  
made general signal 3350. Answered. Clear horizon.  
(Signed) *Charles B. T. Horn* *Ensign.*

From 8 to Midnight. Overcast. Light N.E. breeze. At 9.45 Commanding Officer  
inspected ship & crew at quarters, & immediately after made perage. At 10 Flagship  
made signal (Heterographic) 6853, 6756, 0073, 5468, 2511, 8861. He then made  
signal 3875. The answerer & hauler his heterographic flag partially down and  
hoisted it. Then made heterographic signal 6853, 6756, 0073, 5468, 2511,  
8861. Hauled down heterograph flag. Clear horizon. The following men absent  
without leave, Philip Vincas (S. Cook) George F. Sacwell (S.M.M.)  
(Signed) *Samuel C. Lundy* *Ensign.*

From Midnight to 4 P.M. Overcast, with light to moderate breeze from E. & E.S.E.  
Barometer falling slowly. Clear horizon.  
(Signed) *Charles B. T. Horn* *Ensign.*

From 4 to 8 P.M. Overcast. Cool. Pleasant. Moderate E.S.E. breeze, blowing  
in puffs. At 6 Flagship made general signal 2985, answered. Clear horizon.  
(Signed) *Samuel C. Lundy* *Ensign.*

From 8 to Midnight. Overcast. Cool. Moderate to very fresh breeze from E.  
blowing in puffs. Barometer steady. Clear horizon.  
(Signed) *Charles B. T. Horn* *Ensign.*

Morning show 4<sup>th</sup> gr. Dew, 1°

Examined and found to be correct.

(Signed) *Dea Harper* *Ensign.*

Navigat-



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETEE.		TEMPERATURE.			State of the Weather, by symbols.	Forme of Clouds, by symbols.	Depth of Clear Sky, in fathoms.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

, U. S. Navy,

, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

U. S. S. Essex 3<sup>d</sup> Rate

Montevideo April 1<sup>st</sup> 1878

I certify this to be a correct copy of the log of this ship  
from Oct 1<sup>st</sup> 1877 to March 31<sup>st</sup> 1878.

Asst. Master

Lieut. Navigator.

Approved  
W. S. Schley  
Comd'g

Examined and found to be correct.

Navigator



